

# Range Rover Fuse Box Diagram Academic PDF

## Range Rover Fuse Box Diagram

Understanding the fuse box diagram of your Range Rover is essential for maintaining the vehicle's electrical system, diagnosing faults, and ensuring safety. The fuse box diagram provides a visual reference for locating and identifying the various fuses and relays that protect different electrical components in your vehicle. Whether you're troubleshooting an issue, replacing a blown fuse, or performing maintenance, a clear grasp of the fuse box layout can save you time and prevent unnecessary complications. In this comprehensive guide, we will explore the Range Rover fuse box diagram in detail, highlighting its locations, fuse types, and maintenance tips.

## Overview of the Range Rover Fuse Box System

Range Rover models, from classic to the latest editions, feature sophisticated electrical systems designed to support various functions such as lighting, infotainment, safety features, and engine management. The fuse box system acts as the first line of defense, protecting these systems from electrical overloads or short circuits.

Typically, Range Rover vehicles have multiple fuse boxes located in different areas, including:

- The engine bay fuse box
- The interior fuse box (dashboard)
- The trunk or rear fuse box (depending on model)

Each fuse box contains multiple fuses and relays dedicated to specific electrical circuits.

## Locations of Fuse Boxes in Range Rover

### 1. Engine Bay Fuse Box

This fuse box is usually located near the battery or on the side of the engine compartment. It protects engine control modules, headlights, fuel pumps, and other critical engine systems.

### 2. Interior Fuse Box

Found behind the glove compartment or under the dashboard, this fuse box manages cabin functions such as lighting, power windows, and infotainment.

3. Rear or Trunk Fuse Box

Some models include a fuse box in the rear cargo area, safeguarding rear lighting, tailgate functions, and rear entertainment systems.

Understanding the Fuse Box Diagram

A fuse box diagram is a schematic representation showing the layout of fuses, relays, and their corresponding circuits. It typically includes:

- Fuse location numbers
- Fuse amperage ratings
- Circuit descriptions
- Relay positions

Having this diagram accessible (usually found in the owner’s manual or service manual) allows for quick identification and replacement of faulty fuses.

Common Symbols and Notations

- Fuses are often marked with an ‘F’ followed by a number (e.g., F1, F2).
- Relays are marked with ‘R’ and a number (e.g., R1, R2).
- Circuit descriptions clarify what each fuse protects, such as ‘Headlights,’ ‘ECU,’ ‘Fuel Pump,’ etc.

Detailed Range Rover Fuse Box Diagram Breakdown

Below is a typical layout overview for a Range Rover fuse box diagram, focusing on the engine bay and interior fuse boxes.

Engine Bay Fuse Box

| Fuse Number | Amperage | Circuit Protected | Description |
|-------------|----------|-------------------|-------------|
| -----       | -----    | -----             | -----       |

- | F1 | 20A | Engine Control Module | ECU power supply |
- | F2 | 15A | Headlights | Front headlights circuit |
- | F3 | 10A | Fuel Pump | Fuel system operation |
- | F4 | 30A | Main Relay | Main power relay for engine systems |
- | F5 | 10A | ABS System | Anti-lock braking system |

Interior Fuse Box

- | Fuse Number | Amperage | Circuit Protected | Description |
- |-----|-----|-----|-----|
- | F1 | 10A | Interior Lighting | Cabin lights |
- | F2 | 15A | Power Windows | Front and rear window controls |
- | F3 | 20A | Infotainment System | Radio, multimedia |
- | F4 | 10A | Air Conditioning | Climate control circuits |
- | F5 | 15A | Power Outlets | Cigarette lighter, accessory sockets |

Note: The above is a representative example. It's crucial to refer to your specific Range Rover model's manual for accurate diagram details.

Identifying and Replacing Fuses

Properly identifying and replacing fuses is vital in maintaining your Range Rover's electrical health.

Steps to Identify a Blown Fuse

- Locate the fuse box according to your vehicle's manual.
- Consult the fuse diagram to identify the suspected fuse based on the affected component.
- Remove the fuse using a fuse puller or tweezers.
- Inspect the fuse for a broken wire or burn marks ? a blown fuse typically has a melted or broken filament.

## Replacing a Blown Fuse

- Ensure the replacement fuse matches the original's amperage rating.
- Insert the new fuse firmly into the correct slot.
- Test the affected component to verify proper operation.
- Close the fuse box cover securely.

### Important Tips:

- Never replace a fuse with a higher amperage rating as it can cause electrical damage or fire.
- If a fuse blows repeatedly, there may be a deeper electrical issue that requires professional diagnosis.

## Common Fuse Types in Range Rover

Range Rover vehicles utilize various fuse types, including:

- Blade Fuses: The most common type, available in standard, mini, and micro sizes.
- Cartridge Fuses: Used in some circuits, especially for high-current applications.
- Mini and Micro Fuses: Compact fuses for space-saving designs, used in interior fuse boxes.

Always use the correct fuse type and rating as specified in your vehicle manual.

## Maintenance and Safety Tips

Maintaining your Range Rover's fuse system ensures longevity and safety. Follow these tips:

- Regularly inspect fuse boxes for signs of corrosion, damage, or loose connections.
- Keep spare fuses of the correct ratings in your vehicle for emergencies.
- Use only manufacturer-approved fuses to prevent electrical issues.
- Turn off the vehicle before replacing fuses to avoid electrical shock.
- Seek professional assistance for persistent fuse blows or electrical faults.

## Conclusion

A comprehensive understanding of the Range Rover fuse box diagram is invaluable for any owner or mechanic. It facilitates quick troubleshooting, effective maintenance, and ensures the safe

operation of your vehicle's electrical systems. Always keep the fuse diagram accessible, whether in the owner's manual or a dedicated repair manual, and handle fuse replacements with care. By familiarizing yourself with the fuse locations, types, and functions, you can maintain your Range Rover's performance and safety effectively.

Remember: When in doubt, consult a qualified technician to diagnose complex electrical issues, especially if fuse problems persist or reoccur frequently. Proper maintenance of the fuse system contributes significantly to the longevity and reliability of your Range Rover.

## Range Rover Fuse Box Diagram: The Ultimate Guide for Understanding and Troubleshooting Your Vehicle's Electrical System

Owning a Range Rover is a symbol of luxury, sophistication, and impressive engineering. However, like all complex vehicles, Range Rovers rely heavily on an intricate network of electrical systems to operate seamlessly. Central to this network is the fuse box – a critical component that protects your vehicle's electronic circuits from overcurrent and electrical faults. When issues arise, understanding the Range Rover fuse box diagram becomes essential for diagnosing problems, performing repairs, or simply maintaining your vehicle's electrical health. In this comprehensive guide, we'll explore everything you need to know about fuse box diagrams, how to interpret them, and practical tips for troubleshooting.

### What Is a Fuse Box and Why Is It Important?

A fuse box, sometimes called a fuse panel, is a centralized location where fuses and relays are housed. These components act as safeguards, preventing electrical overloads from damaging sensitive electronics, wiring, or other vital parts of your Range Rover. When a circuit experiences an overload or short circuit, the fuse blows (breaks the circuit) to prevent further damage.

Understanding the fuse box diagram – the schematic representation of all fuses and relays – is crucial for:

- Diagnosing electrical issues
- Replacing blown fuses
- Locating relays for component tests
- Performing upgrades or modifications

### Overview of Range Rover Fuse Box Locations

Depending on the model year and specific Range Rover variant (e.g., Range Rover Vogue, Sport, or Velar), fuse boxes can be located in different areas. Common locations include:

- Engine Compartment Fuse Box: Usually near the battery or on the side of the engine bay. It contains high-current fuses and relays.
- Interior Fuse Box: Often located under the dashboard, glove compartment, or side panel of the driver's footwell.
- Trunk or Cargo Area Fuse Box: Sometimes found in the rear cargo area for components related to lighting, power tailgate, or rear electronics.

Before diving into the fuse diagram, always consult your specific vehicle's owner manual for exact locations and fuse specifications.

### How to Read the Range Rover Fuse Box Diagram

The fuse box diagram is a schematic that visually maps out the placement, amperage rating, and function of each fuse and relay within the box. Here's a step-by-step guide:

- Identify the Fuse Box Diagram
  - Usually printed on a label inside the fuse box cover or included in the owner's manual.
  - May be a detailed diagram showing each fuse's position, amperage, and circuit function.
- Understand the Symbols and Labels
  - Fuses are typically numbered or labeled (e.g., F1, F2, etc.).
  - Relays are also numbered or labeled separately.
  - Symbols may denote different circuit types, such as lighting, audio, or engine control.
- Match Fuses to Functions
  - The diagram links each fuse to a specific component or system (e.g., headlights, infotainment, ABS).
  - Amperage ratings are critical; replacing a fuse with the wrong amperage can cause damage or fire hazards.
- Cross-Reference with Your Vehicle

- Use the legend to locate the exact fuse or relay responsible for the issue.
- Check the fuse number against the diagram and the physical fuse box.

## Common Fuses and Their Functions in Range Rover Models

While specific fuse assignments vary, typical functions include:

### Engine Compartment Fuse Box:

- Battery+: Power supply for various modules
- Ignition system: Fuel pump, ignition coils
- Cooling fans
- Headlights and indicators
- ABS and stability control modules

### Interior Fuse Box:

- Lighting circuits: Cabin lights, dashboard illumination
- Infotainment system
- Power windows and door locks
- Air conditioning and climate control
- Security and alarm systems

### Trunk or Rear Fuse Box:

- Tailgate operation
- Rear lighting
- Rear defroster

## Step-by-Step Guide to Using the Fuse Box Diagram for Troubleshooting

### Step 1: Identify the Symptom

- Is a particular component not working? (e.g., headlights, radio, power windows)
- Are multiple systems affected?

### Step 2: Locate the Relevant Fuse

- Use the fuse box diagram to find the fuse associated with the malfunctioning component.
- Confirm the fuse number and location.

### Step 3: Inspect the Fuse

- Turn off the vehicle.
- Remove the fuse carefully using a fuse puller or tweezers.
- Visually check if the fuse is blown (a broken wire or blackened appearance).

### Step 4: Replace the Fuse if Necessary

- Replace with a fuse of the same amperage rating.
- Do not use a fuse with a higher rating, as it risks damaging the circuit.

### Step 5: Test the System

- Turn the vehicle back on.
- Check if the component functions correctly.

### Step 6: Further Troubleshooting

- If the fuse blows again, there could be a short circuit or wiring issue.
- Consult a professional if the problem persists.

### Practical Tips for Managing Your Range Rover Fuse Box

- Keep a Fuse Kit: Stock a variety of replacement fuses rated appropriately for your vehicle.
- Label Your Fuses: Use labels or markers to mark fuses related to critical systems for quick reference.
- Regular Inspection: Periodically check fuses for signs of wear or corrosion.
- Use the Correct Tools: Always use appropriate fuse pullers or insulated tools to avoid electrical shocks.
- Consult Professional Help: Electrical problems can be complex; if in doubt, seek qualified service.

### Conclusion: Mastering Your Range Rover Fuse Box Diagram



Understanding the Range Rover fuse box diagram empowers you to take control of your vehicle's electrical health. Whether it's replacing a blown fuse, diagnosing electrical faults, or performing upgrades, a thorough knowledge of fuse locations and functions is invaluable. Always refer to your specific model's diagram and manual, prioritize safety, and when necessary, consult professional technicians.

By mastering this aspect of your Range Rover, you not only ensure reliable operation but also extend the lifespan of your vehicle's sophisticated electrical systems. Keep your fuse box diagram handy and use it as a roadmap for keeping your luxury SUV running smoothly for years to come.

**Question** Where is the fuse box located in a Range Rover? The main fuse box in a Range Rover is typically located under the hood near the battery, while additional fuse boxes can be found inside the cabin, often under the dashboard or in the glove compartment. Refer to your vehicle's owner manual for precise locations. **Answer** How can I identify the fuse responsible for the infotainment system in my Range Rover? You can identify the fuse for the infotainment system by consulting the fuse box diagram, which is usually printed on the fuse box cover or in the owner's manual. The diagram will label each fuse and its corresponding function. What is the process to check and replace a blown fuse in a Range Rover fuse box? First, turn off the vehicle and locate the relevant fuse using the fuse box diagram. Carefully remove the fuse with a fuse puller or tweezers, inspect for a broken filament, and replace it with a fuse of the same amperage rating. Always ensure the vehicle is off before working on the fuse box. Are there any common fuse issues specific to Range Rover models? Yes, common issues include blown fuses related to the lighting system, infotainment, or electronic parking brake. These can often be caused by electrical faults or power surges, so regularly inspecting fuses can help prevent problems. Can I find a detailed fuse box diagram online for my Range Rover model? Yes, detailed fuse box diagrams for Range Rover models are available on official Land Rover websites, automotive repair forums, and in the vehicle's service manual. These diagrams are helpful for troubleshooting and repairs. What should I do if a fuse keeps blowing in my Range Rover? If a fuse repeatedly blows, it indicates an underlying electrical issue. It's recommended to have a professional mechanic diagnose the problem to prevent further damage and ensure safe operation of your vehicle.

**Related keywords:** Range Rover fuse box, Range Rover fuse diagram, Range Rover fuse box location, Range Rover electrical system, Range Rover fuse chart, Range Rover wiring diagram, Range Rover fuse relay, Range Rover electrical fuse, Range Rover fuse box replacement, Range Rover fuse box manual

## Domain And Range From Graph Multiple Choice

**Domain and range from graph multiple choice** questions are essential tools in understanding the fundamental concepts of functions in mathematics. These questions help students and learners evaluate their ability to interpret graphs accurately and determine the set of possible inputs (domain) and outputs (range) of a function. Mastering this skill is crucial for progressing in algebra, calculus, and other advanced mathematical topics. In this article, we will explore the concepts of domain and range, how to identify them from graphs, and strategies for answering multiple-choice questions effectively.

## Understanding the Domain and Range of a Function

### What is the Domain?

The domain of a function is the complete set of all possible input values (usually represented by the variable  $x$ ) for which the function is defined. In graphical terms, it corresponds to all the  $x$ -values that have at least one corresponding  $y$ -value on the graph.

### What is the Range?

The range of a function is the set of all possible output values (usually represented by  $y$ ) that the function can produce. Graphically, it includes all the  $y$ -values that the graph attains for the  $x$ -values in the domain.

### Why are Domain and Range Important?

Understanding the domain and range is fundamental for:

- Identifying the behavior of functions
- Graphing functions accurately
- Solving equations and inequalities
- Applying functions to real-world problems

## How to Determine Domain and Range from Graphs

### Steps to Find the Domain

- Look at the graph horizontally to identify all  $x$ -values where the graph exists.
- Check for all the  $x$ -values over which the graph extends or is continuous.
- Note any restrictions, such as gaps, holes, or vertical asymptotes, which may limit the domain.

## Steps to Find the Range

- Observe the vertical extent of the graph.
- Identify the lowest and highest y-values that the graph attains.
- Consider any restrictions, such as gaps or asymptotes that limit the y-values.

## Common Graph Features Affecting Domain and Range

- **Vertical lines:** A vertical line intersecting the graph at more than one point indicates a non-function; in functions, vertical lines should only intersect once.
- **Holes and gaps:** These can restrict the domain or range
- **Asymptotes:** Vertical asymptotes restrict the domain, while horizontal asymptotes influence the range.
- **Boundedness:** If the graph is bounded above or below, it affects the range accordingly.

## Multiple Choice Questions on Domain and Range from Graphs

### Typical Structure of Questions

Multiple-choice questions often present a graph accompanied by several options for the domain and range. The task is to select the correct set(s) based on the graph.

Example Question:

Given the graph below, select the correct domain and range.

Options:

- a) Domain:  $[-3, 2]$ , Range:  $[0, 5]$
- b) Domain:  $(-?, ?)$ , Range:  $(-?, ?)$
- c) Domain:  $[1, 4]$ , Range:  $[2, 6]$
- d) Domain:  $[0, 3]$ , Range:  $[1, 4]$

Answer: Based on the graph, the student must analyze the x-values and y-values the graph covers to choose the correct option.

## Strategies for Answering Multiple Choice Questions Effectively

- **Visual Inspection:** Carefully observe the graph for the extremities of the curve.
- **Identify key points:** Find the minimum and maximum points vertically and horizontally.
- **Look for restrictions:** Note any holes, jumps, or asymptotes that limit the domain or range.
- **Eliminate incorrect options:** Use the process of elimination based on the visual clues.
- **Double-check:** Confirm that the selected options align with the graph's features.

## Examples of Domain and Range from Graph Multiple Choice Questions

### Example 1: Linear Function

Graph features: The line extends infinitely in both directions.

Question: What are the domain and range?

Options:

- a) Domain:  $\mathbb{R}$ , Range:  $\mathbb{R}$
- b) Domain:  $[0, 10]$ , Range:  $[2, 8]$
- c) Domain:  $(-\infty, 5]$ , Range:  $[3, \infty)$
- d) Domain:  $[1, 4]$ , Range:  $[1, 4]$

Answer: a) Domain:  $\mathbb{R}$ , Range:  $\mathbb{R}$

Explanation: Since the line extends infinitely in both directions, the domain and range are all real numbers.

### Example 2: Quadratic Function

Graph features: Parabola opening upwards, vertex at  $(2, 1)$ , extending infinitely to the left and right, with y-values from 1 upwards.

Question: Determine the domain and range.

Options:

- a) Domain:  $?$ , Range:  $[1, ?)$
- b) Domain:  $[0, 4]$ , Range:  $[1, 5]$
- c) Domain:  $(-?, 2]$ , Range:  $(-?, 1]$
- d) Domain:  $[2, 6]$ , Range:  $[1, 4]$

Answer: a) Domain:  $?$ , Range:  $[1, ?)$

Explanation: The parabola opens upward with vertex at  $(2, 1)$ , extending infinitely horizontally, and y-values starting at 1 and increasing without bound.

## Common Mistakes and How to Avoid Them

- **Misinterpreting the graph:** Always verify the points and features rather than relying on assumptions.
- **Ignoring asymptotes:** Vertical asymptotes can restrict the domain; horizontal asymptotes impact the range.
- **Confusing bounded and unbounded graphs:** Recognize whether the graph extends infinitely or is limited.
- **Overlooking gaps or holes:** These can exclude certain x or y-values from the domain or range.

## Conclusion

Understanding how to identify the domain and range from graphs is a vital skill in mathematics, especially when tackling multiple-choice questions. By visually analyzing the graph's features and applying systematic strategies, learners can accurately determine the sets of possible inputs and outputs for various functions. Practice with diverse graphs enhances this skill, leading to better performance in exams and a deeper comprehension of mathematical functions. Remember, always verify the graph's features carefully, pay attention to restrictions like asymptotes or holes, and eliminate incorrect options logically to arrive at the correct answer confidently.

### Understanding Domain and Range from Graphs: A Comprehensive Guide to Multiple Choice Questions

When studying functions in mathematics, one of the fundamental concepts to master is domain and range. These terms describe the set of possible input values (domain) and output values (range) of a function. Often, students encounter questions asking them to determine the domain and range

from a graph, especially in multiple-choice formats. Such questions test not only your understanding of the concepts but also your ability to analyze visual data accurately. This guide aims to provide a detailed breakdown of how to interpret a graph to find the domain and range, with strategies tailored for multiple-choice questions, ensuring you become confident in tackling these problems.

## What Are Domain and Range?

Before diving into graphical analysis, it's essential to clarify what domain and range mean in the context of functions.

### The Domain

The domain of a function is the set of all possible input values (usually represented as x-values) for which the function is defined. In a graph, the domain corresponds to the horizontal extent of the graph—that is, all x-values where the graph exists.

### The Range

The range is the set of all possible output values (usually represented as y-values) that the function can produce. On a graph, this corresponds to the vertical extent—covering all y-values the graph reaches or passes through.

## Analyzing Graphs for Domain and Range

When faced with a graph and multiple-choice options, the key is systematic analysis. Here's a step-by-step approach:

### Step 1: Identify the Graph's Extent Horizontally (Domain)

- Look at the leftmost point of the graph to find the minimum x-value where the graph exists.
- Look at the rightmost point to find the maximum x-value.
- Check whether the graph extends infinitely in either direction (e.g., arrows at the ends), which indicates the domain is all real numbers or unbounded in that direction.
- Be aware of any gaps, holes, or interruptions that limit the domain.

### Step 2: Identify the Graph's Extent Vertically (Range)

- Find the lowest y-value the graph reaches.
- Find the highest y-value the graph reaches.

- Determine if the graph continues infinitely upward or downward (e.g., asymptotes or arrows). If so, the range might be unbounded.
- Note any flat segments or points where the graph stops, which can restrict the range.

### Step 3: Consider Special Features

- Closed vs. open circles: Closed circles mean that point is included in the domain or range; open circles mean the point is not included.
- Vertical or horizontal asymptotes: These can affect the domain or range, often implying that certain values are excluded.
- Intervals: Multiple disconnected parts of the graph may indicate a union of intervals for the domain or range.

### Step 4: Match Your Findings to Multiple Choice Options

- Once you determine the possible set(s) for the domain and range, compare with the options.
- Remember that options may be expressed as intervals, unions, or inequalities.
- Be cautious about whether the endpoints are inclusive (closed circle) or exclusive (open circle).

### Common Graph Features and How They Influence Domain and Range

Understanding typical graph features and their impact on domain and range can simplify analysis.

#### - Linear Graphs

- Extends infinitely in both directions unless restricted.
- Domain: All real numbers.
- Range: All real numbers.

#### - Quadratic (Parabolic) Graphs

- Opens upwards or downwards.
- Domain: All real numbers (since quadratic functions are defined everywhere).
- Range: Depending on the vertex, the range will be either  $y \geq \text{minimum}$  or  $y \leq \text{maximum}$ .

- Absolute Value Graphs
  - V-shaped graph.
  - Domain: All real numbers.
  - Range:  $y \geq$  value at the vertex (if vertex is minimum).
- Piecewise or Restricted Graphs
  - May have limited x-intervals.
  - Domain: Limited to the x-intervals where the graph exists.
  - Range: Corresponds to the y-values over those x-intervals.
- Graphs with Asymptotes
  - Vertical asymptotes suggest certain x-values are excluded (domain excludes these points).
  - Horizontal asymptotes can influence the limits of the range.

### Practical Tips for Multiple Choice Questions

- Eliminate obviously wrong options first. For example, if the graph clearly extends from  $x = -2$  to  $x = 3$ , options suggesting otherwise can be discarded.
- Pay attention to inclusivity. Closed circles imply the endpoint is included in the domain or range, while open circles do not.
- Look for asymptotes or gaps. These features can restrict the domain or range.
- Check the behavior at the ends of the graph. Does it go to infinity, approach a finite value, or stop abruptly?
- Compare the y-values visually. Is the graph bounded above or below? Does it extend infinitely?

### Examples

#### Example 1: Graph with a Closed Circle at $x = -3$ and an Arrow to the Right

- Observation: The graph starts at  $x = -3$  with a closed circle and extends infinitely to the right.
- Domain:  $x \geq -3$



- Range: Depending on the graph's vertical extent, e.g.,  $y$  from 1 to infinity.
- Multiple-choice match: Look for options like  $[-3, ?)$  for domain and  $[1, ?)$  for range.

#### Example 2: Parabola Opening Up with Vertex at $(0, 2)$

- Observation: The parabola opens upward, vertex at  $(0, 2)$ .
- Domain: All real numbers.
- Range:  $y \geq 2$ .
- Multiple-choice match: Domain:  $(-\infty, \infty)$ ; Range:  $[2, \infty)$ .

#### Example 3: Graph with a Vertical Asymptote at $x = 2$

- Observation: The graph approaches but does not touch  $x = 2$ .
- Domain: All real  $x$  except  $x = 2$ .
- Range: depends on the behavior of the graph, perhaps all real  $y$ -values.
- Multiple-choice match: Domain:  $(-\infty, 2) \cup (2, \infty)$ .

#### Practice Strategies

- Use the graph's key features to quickly identify the extent of the domain and range.
- Translate visual cues into interval notation or inequalities.
- Be mindful of whether endpoints are included or excluded.
- Confirm your interpretation by checking the behavior at critical points.

#### Conclusion

Mastering domain and range from graph multiple choice questions requires a blend of conceptual understanding and careful visual analysis. By systematically examining the horizontal and vertical extents of a graph, noting features like asymptotes, holes, and the nature of the graph (bounded or unbounded), you can confidently select the correct options. Practice with various types of graphs enhances your ability to quickly interpret and analyze these visual representations, turning what might seem complex into straightforward problem-solving. Remember, the key lies in detailed observation and logical deduction skills that are essential not just for exams but for a deep understanding of functions in mathematics.

**Question** What does the domain of a graph represent? The set of all possible  $x$ -values (input values) for which the graph is defined. How can you determine the range of a function from its graph? By identifying all the  $y$ -values that the graph attains or approaches. Which of the following is

the correct domain for a graph that exists from  $x = -3$  to  $x = 5$ ? A)  $[-3, 5]$  B)  $(-?, ?)$  C)  $(??, 5]$  D)  $[?3, ?)$  If a graph is a parabola opening upward with vertex at  $(0, -2)$ , what is the range? B)  $[-2, ?)$  A graph shows a horizontal line at  $y = 4$  for all  $x$ -values. What is the range? A)  $\{4\}$  Which of these options best describes the domain of a function that is only defined between  $x = 1$  and  $x = 7$ ? C)  $[1, 7]$  From the graph, which is the correct way to find the range? By looking at the lowest and highest  $y$ -values the graph reaches or approaches. A graph shows a circle centered at  $(2, -3)$  with radius 3. What is the domain? B)  $[?1, 5]$  Which of the following best describes how to find the domain and range from a graph? Identify all  $x$ -values and  $y$ -values that the graph covers, including any open or closed intervals.

**Related keywords:** domain, range, graph, multiple choice, coordinates,  $x$ -axis,  $y$ -axis, functions, interval, values

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