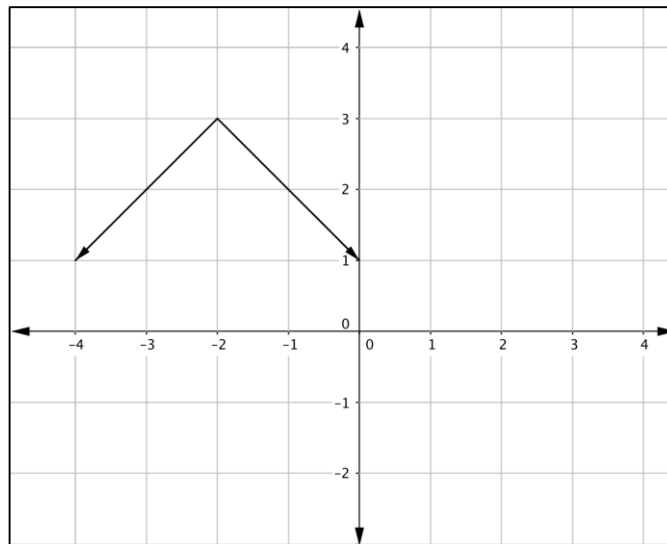


Name _____

Date _____

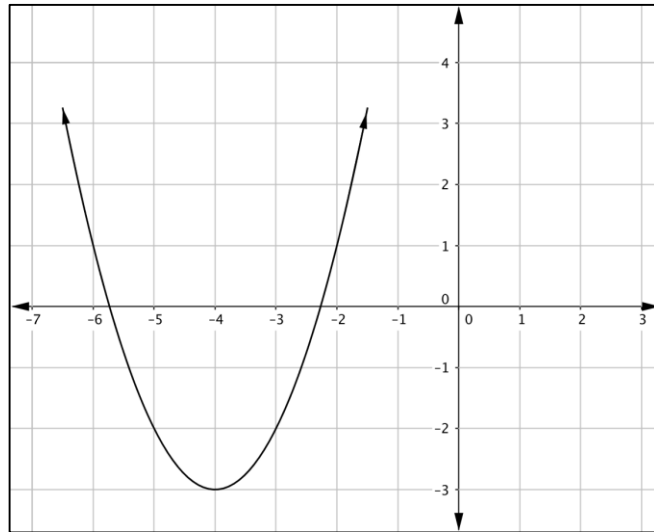
Introduction to Functions
Key Features of Graphs of Functions – Part 2
Independent Practice

1. Consider the following graph of an absolute value function.



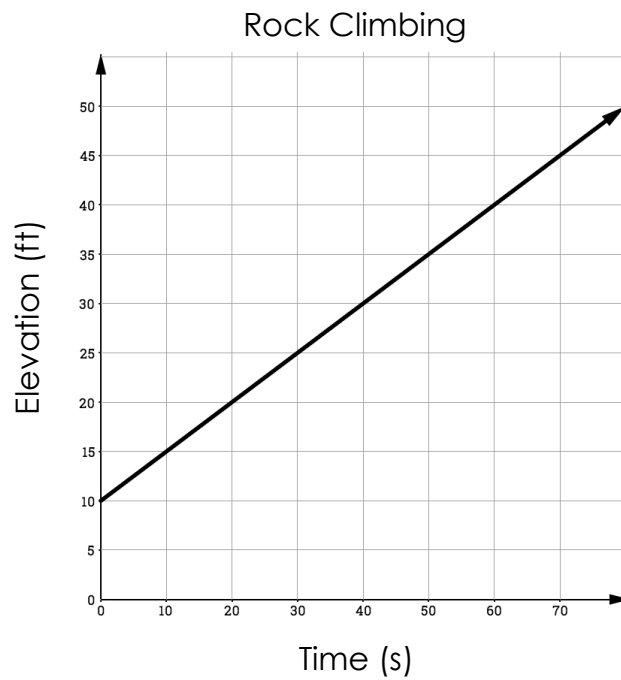
- Define the domain.
- Define the range.
- Where is the graph increasing?
- Where is the graph decreasing?
- Identify any relative maximums.
- Identify any relative minimums.

2. Consider the following graph of a quadratic function.



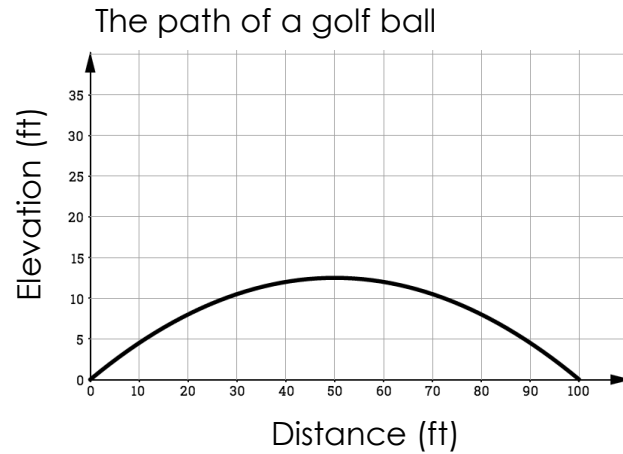
- Define the domain.
- Define the range.
- Where is the graph increasing?
- Where is the graph decreasing?
- Identify any relative maximums.
- Identify any relative minimums.

7. The graph below represents a rock climber's height as she ascends a hill.



- The above graph is (circle one) linear/nonlinear.
- Is the above graph a function? Explain.
- What is the y -intercept and what does the y -intercept represent?
- Why would there not be an x -intercept for this situation?

8. The graph below represents the path of a golf ball.



- The above graph is (circle one) linear/nonlinear.
- Is the above graph a function? Explain.
- What is the y -intercept and what does the y -intercept represent?
- What is the solution to this graph and what does it represent in this situation?