


Name: _____

2-8 Additional Practice

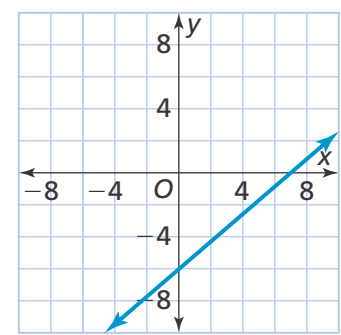
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1. Leveled Practice Find the y -intercept for the line.

The y -intercept is the point where the graph crosses the -axis.

The line crosses the y -axis at (,).

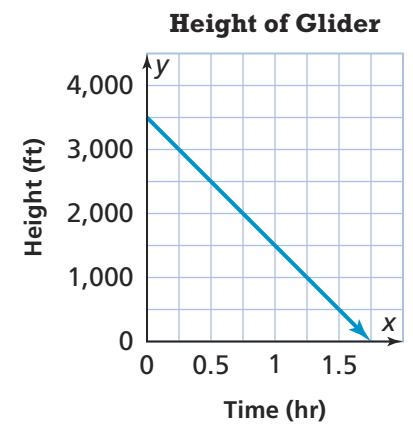
So, the y -intercept is .



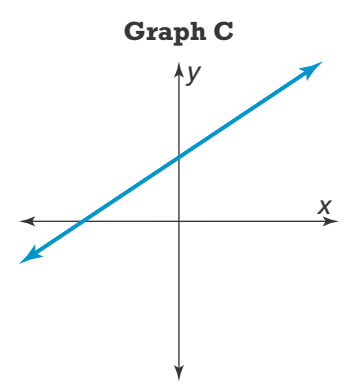
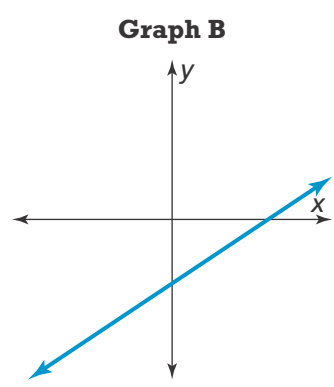
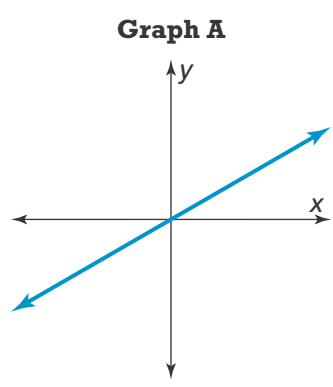
2. The line models the height of a glider y , in feet, over x hours.

a. Find the y -intercept of the graph.

b. What does the y -intercept represent?



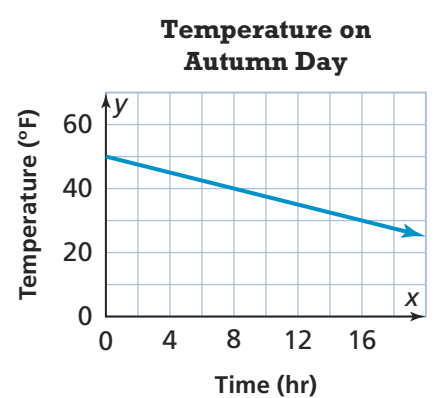
3. Which graph represents a proportional relationship? Explain.



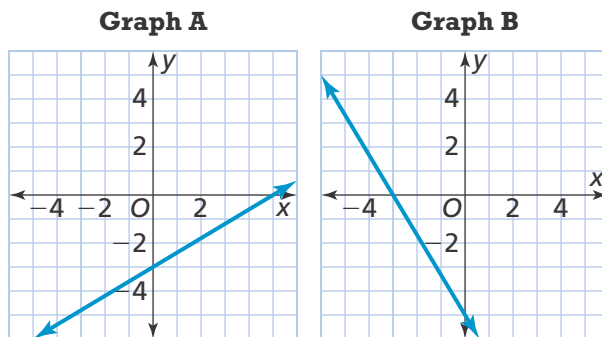
4. The line models the temperature starting at noon on an autumn day.

a. Find the y -intercept of the function.

b. What does the y -intercept represent?

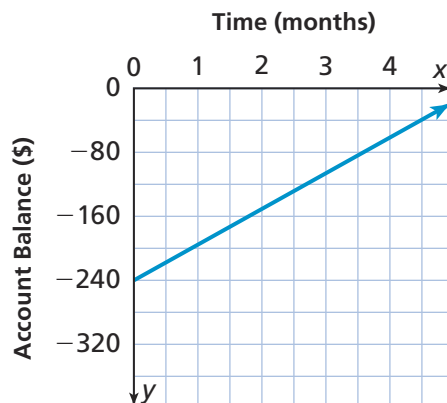


5. Which graph has a y -intercept of -5 ? Explain.



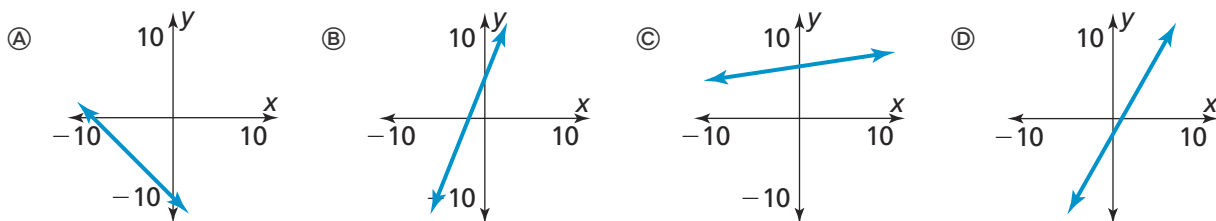
6. **Higher Order Thinking** Tasha incorrectly draws this graph to represent the balance in her savings account over time.

- What is the y -intercept of the graph and what does it represent in the situation?
- Does the y -intercept make sense in this situation? Explain.
- Explain Tasha's possible error.



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7. Which graph has the y -intercept -2 ?



8. Which statement describes the y -intercept of the graph of a proportional relationship?

- It is equal to the x -intercept of the line.
- It is greater than the x -intercept of the line.
- The line intersects the y -axis of the graph at the origin.
- The line intersects the y -axis of the graph above the origin.

