Slopes, Vertical Intercepts, and Graphs
Situation A

Lin's dad bought a tablet. He pays the same amount each month for a subscription to a movie streaming service. The graph represents how much money he spent, *y*, for the tablet and *x* months of the service. The slope of the line is 10.

Slopes, Vertical Intercepts, and Graphs
Situation B

The graph represents the perimeter, *y*, of a square whose side length is *x*. The slope of the line is 4.

Slopes, Vertical Intercepts, and Graphs
Situation C

Diego puts his piggy bank on his desk. Each week he adds the same amount of money to his bank. The graph represents the amount in the piggy bank, *y*, after *x* weeks. The slope of the line is 5.

Slopes, Vertical Intercepts, and Graphs
Situation D

Noah starts his piggy bank off with money he's saved helping a neighbor out. Each month he adds the same amount of money to his bank. The graph represents the amount in the piggy bank, *y*, after *x* months. The slope of the line is 15.

Slopes, Vertical Intercepts, and Graphs
Situation E

Elena adds a quarter to her piggy bank every day. The graph represents the number of dollars, *y*, in her piggy bank *x* days after she put the piggy bank in the closet. The slope of the line is 0.25.

Slopes, Vertical Intercepts, and Graphs
Situation F

Lin's mom pays the same amount each month for internet service for her business tablet. The graph represents how much money she spent, *y*, for *x* months of service. The slope of the line is 40.

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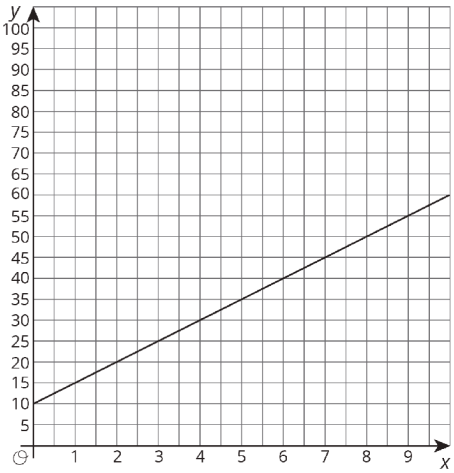
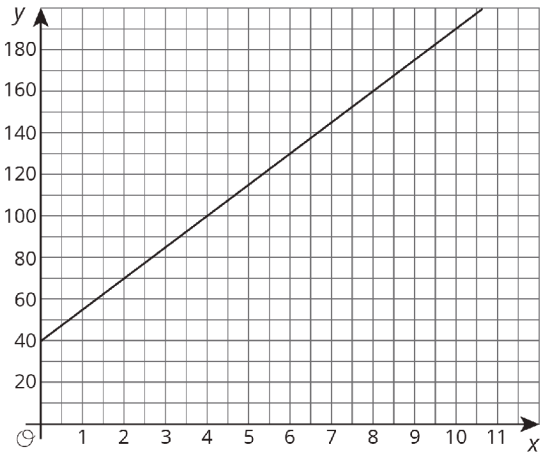
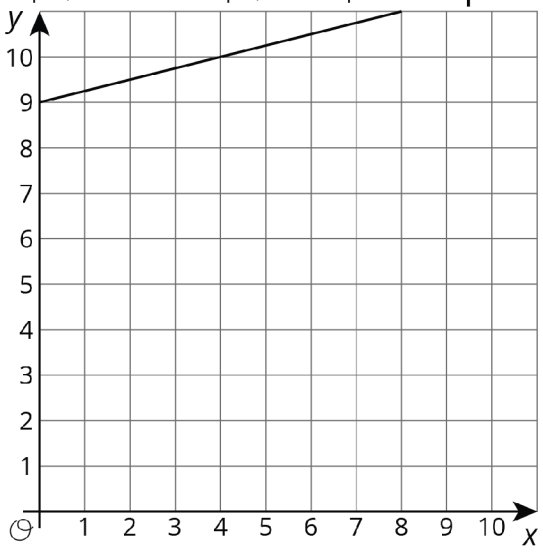
Slopes, Vertical Intercepts, and Graphs - Graph 1



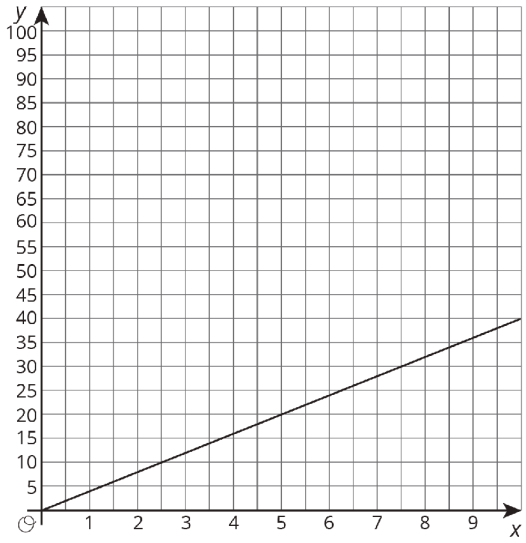
Slopes, Vertical Intercepts, and Graphs - Graph 3



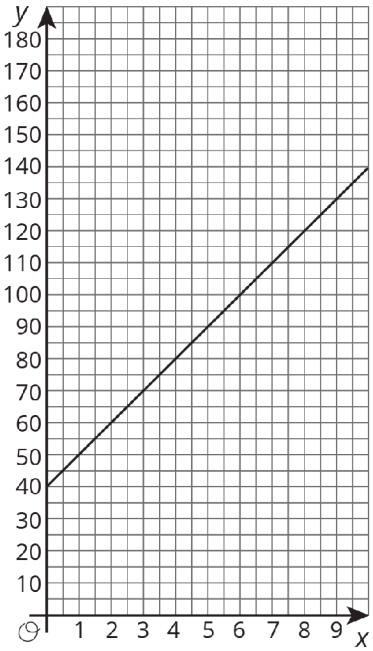
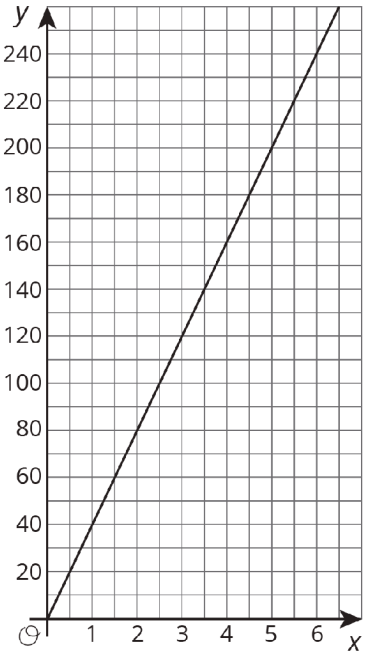
Slopes, Vertical Intercepts, and Graphs - Graph 5



Slopes, Vertical Intercepts, and Graphs - Graph 6



Slopes, Vertical Intercepts, and Graphs - Graph 2



Slopes, Vertical Intercepts, and Graphs - Graph 4