

Write Equations in Slope-Intercept Form From Graphs

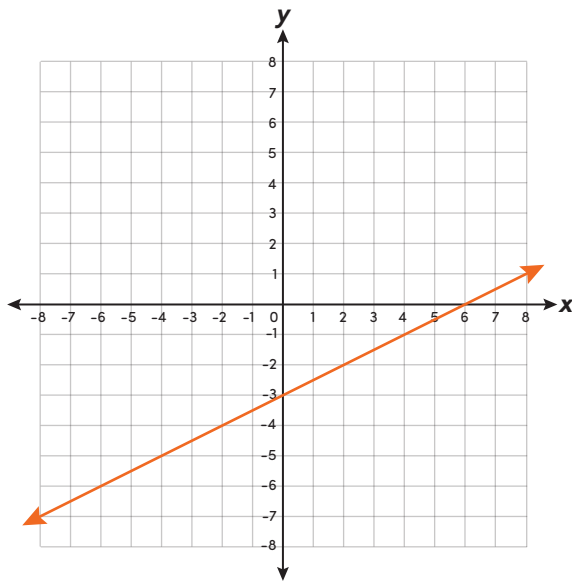
You can write the equation of a linear function in slope-intercept form, where m is the **slope** and b is the **y-intercept**:

$$y = mx + b$$



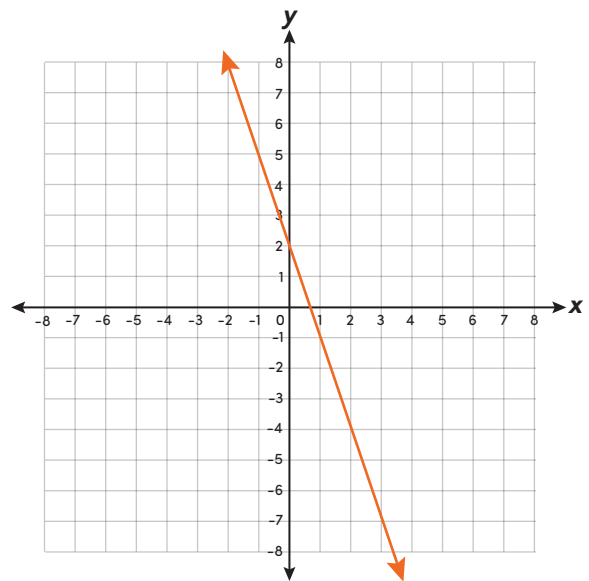
Find the **slope** and the **y-intercept** of each linear function below. Write the slope as a proper or improper fraction in simplest form or an integer. Then write the equation in slope-intercept form.

1.



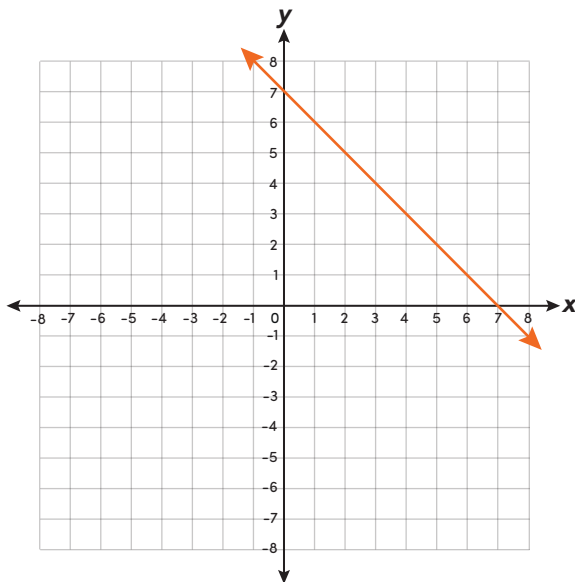
slope: _____ y-intercept: _____
equation: _____

2.



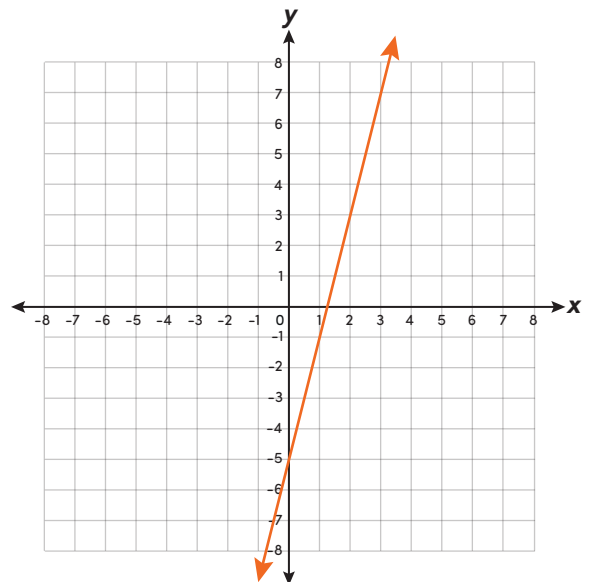
slope: _____ y-intercept: _____
equation: _____

3.



slope: _____ y-intercept: _____
equation: _____

4.



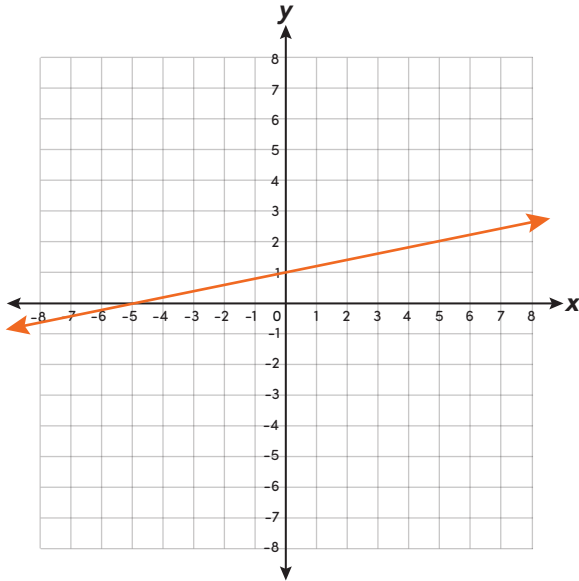
slope: _____ y-intercept: _____
equation: _____

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Keep going! Find the **slope** and the **y-intercept** of each linear function below. Write the slope as a proper or improper fraction in simplest form or an integer. Then write the equation in slope-intercept form.

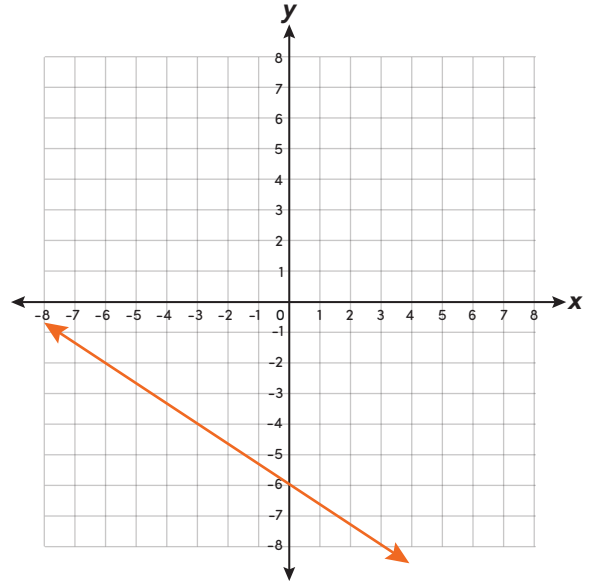


5.



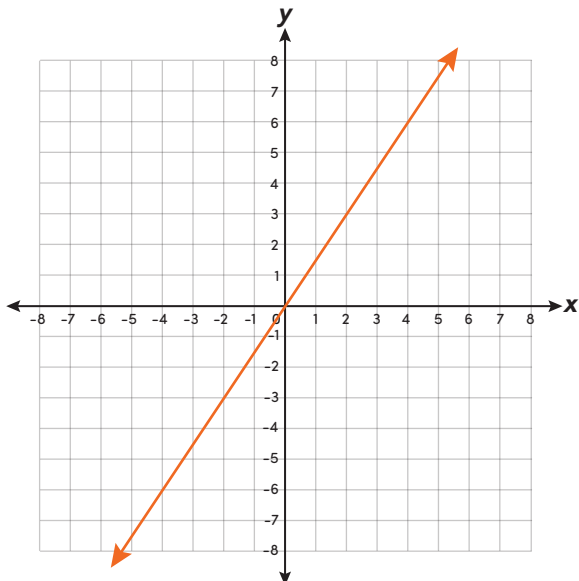
slope: _____ y-intercept: _____
equation: _____

6.



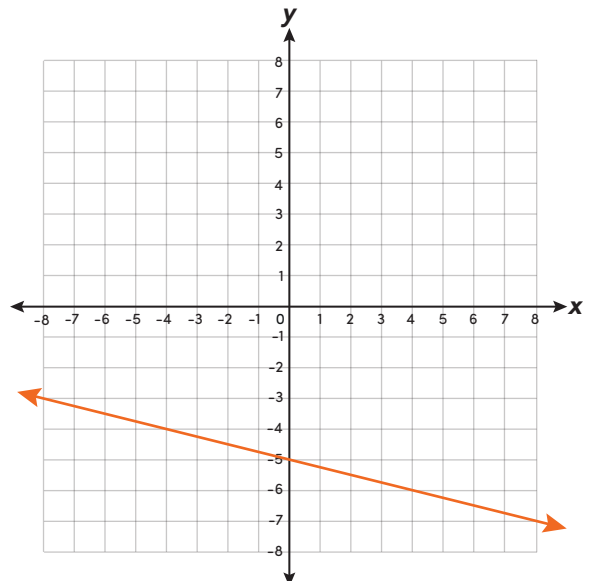
slope: _____ y-intercept: _____
equation: _____

7.



slope: _____ y-intercept: _____
equation: _____

8.



slope: _____ y-intercept: _____
equation: _____