

Lesson 6 Homework Practice

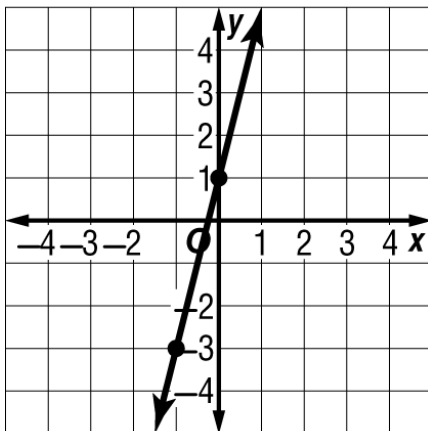
Write Linear Equations

Write an equation in point-slope form and slope-intercept form for each line.

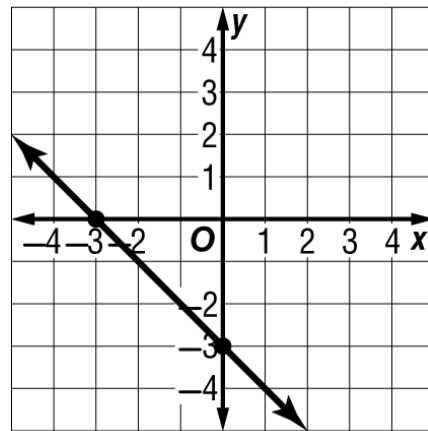
1. passes through $(-5, 6)$, slope = 3
2. passes through $(6, -6)$, slope = 5
3. passes through $(0, 1)$ and $(2, 5)$
4. passes through $(-5, 9)$ and $(1, 3)$
5. passes through $(1, -1)$ and $(2, 0)$
6. passes through $(-3, -5)$, slope = 2

Write the point-slope form of an equation for each line graphed.

7.



8.



9. **TEMPERATURE** The table shows the temperature at certain hours. Assuming the temperature change is linear, write an equation in point-slope form to represent the temperature y at x hour.

Hour	Temperature (°F)
1	35
2	39

10. **SPEED** After 2 hours, a car travels 70 miles. After 2.25 hours in the same trip, the car travels 78.75 miles. Write an equation in point-slope form to represent the distance y of the car after x hours.