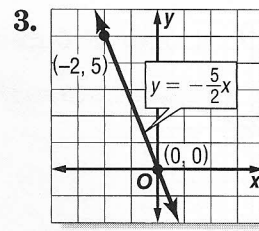
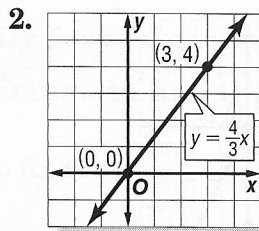
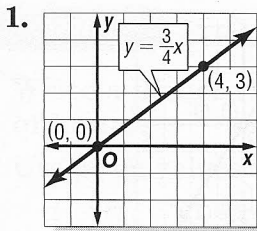


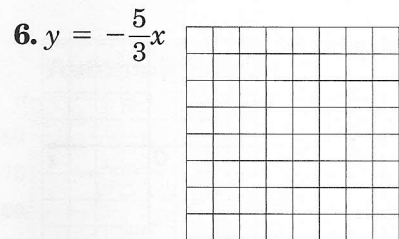
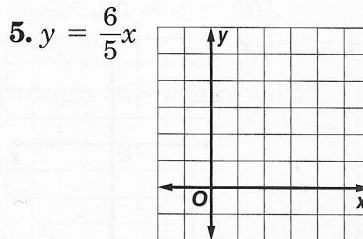
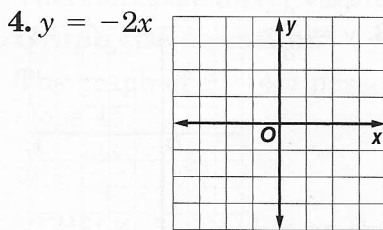
5-2 Practice

Slope and Direct Variation

Name the constant of variation for each equation. Then determine the slope of the line that passes through each pair of points.



Graph each equation.

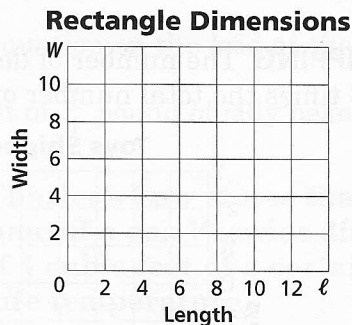


Write a direct variation equation that relates x and y . Assume that y varies directly as x . Then solve.

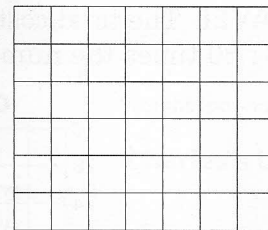
7. If $y = 7.5$ when $x = 0.5$, find y when $x = -0.3$.
8. If $y = 80$ when $x = 32$, find x when $y = 100$.
9. If $y = \frac{3}{4}$ when $x = 24$, find y when $x = 12$.

Write a direct variation equation that relates the variables. Then graph the equation.

10. **MEASURE** The width W of a rectangle is two thirds of the length ℓ .



11. **TICKETS** The total cost C of tickets is \$4.50 times the number of tickets t .



12. **PRODUCE** The cost of bananas varies directly with their weight. Miguel bought $3\frac{1}{2}$ pounds of bananas for \$1.12. Write an equation that relates the cost of the bananas to their weight. Then find the cost of $4\frac{1}{4}$ pounds of bananas.