

2.1–2.4 Quiz

Graph the linear equation using a table. (Section 2.1)

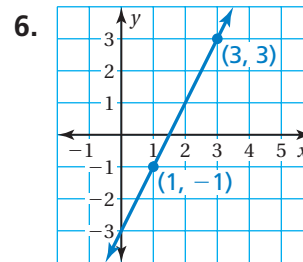
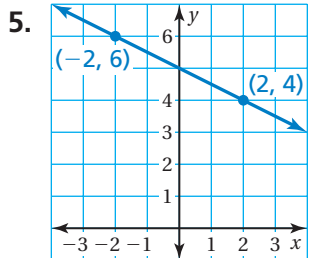
1. $y = -12x$

2. $y = -x + 8$

3. $y = \frac{x}{3} - 4$

4. $y = 3.5$

Find the slope of the line. (Section 2.2)



Find the slope and y-intercept of the graph of the equation. (Section 2.3)

7. $y = \frac{1}{4}x - 8$

8. $y = -x + 3$

Find the x- and y-intercepts of the graph of the equation. (Section 2.4)

9. $3x - 2y = 12$

10. $x + 5y = 15$

11. **BARBEQUE** The equation $3x + 2y = 30$ represents the amount of money your family spends on x pounds of beef and y pounds of chicken for a barbeque. Graph the equation and interpret the intercepts. (Section 2.4)

12. **BANKING** A bank charges \$3 each time you use an out-of-network ATM. At the beginning of the month, you have \$1500 in your bank account. You withdraw \$60 from your bank account each time you use an out-of-network ATM. Write and graph a linear equation that represents the balance in your account after you use an out-of-network ATM x times. (Section 2.1)

13. **STATE FAIR** Write a linear equation that models the cost y of one person going on x rides at the fair. Graph the equation. (Section 2.3)

14. **PAINTING** You used \$90 worth of paint for a school float. (Section 2.4)

- Graph the equation $18x + 15y = 90$, where x is the number of gallons of blue paint and y is the number of gallons of white paint.
- Interpret the intercepts.

