

4-4 Slope

- _____ 1. Find the equation of the line, in slope intercept form, that goes through the point (2, 8) and has a slope of -3.
- _____ 2. Give the equation of the line, in slope intercept form, that is parallel to $y = 8x - 5$ and passes through the point (1, 20),
- _____ 3. Give the equation of the line, in slope intercept form, that is perpendicular to $y = 2x - 5$ and passes through the point (2, 8).
- _____ 4. Which equation would be perpendicular to the $y = -\frac{1}{7}x + 3$?
- A. $y = -\frac{1}{7}x - 3$ B. $y = \frac{1}{7}x + 3$ C. $y = 7x - 5$ D. None of the above
- _____ 5. Give the equation in slope intercept form that goes through (2, 4) and is parallel to the line $y = 5x - 3$.
- A. $y = 5x + 3$ B. $y = -5x + 12$ C. $y = -\frac{1}{5}x + 12$ D. $y = 5x - 6$

5-1 Lengths of the Sides of a Triangle

- _____ 1. Which set of numbers could be a measure of the sides of a triangle?
- A. 2, 1, 3 B. 3, 10, 15 C. 4, 6, 3 D. 3, 7, 3
- _____ 2. Which set of numbers could be a measure of the sides of a triangle?
- A. 2, 4, 2 B. 20, 4, 15 C. 4, 6, 1 D. 5, 7, 5
- _____ 3. If two sides of a triangle are 6 cm and 8 cm, what must be true about the third side?
- A. $2 \leq m < 14$ B. $2 < m < 14$ C. $2 > m > 14$ D. $2 \leq m \leq 14$
- _____ 4. If two sides of a triangle have the measurements of 9 and 9, what could the third leg be?
- A. $1 < m < 18$ B. $0 < m \leq 18$ C. $0 < m < 9$ D. None of the above
- _____ 5. If two sides of a triangle have the measurements of 3 and 7, what could the third leg be?
- A. $4 < m > 10$ B. $4 \leq m \leq 10$ C. $4 < m < 10$ D. None of the above