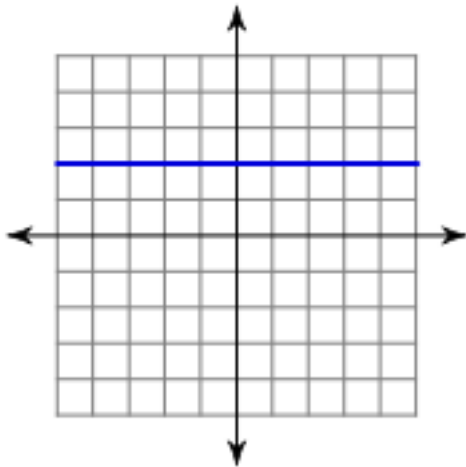


Unit 7 Test Study Guide

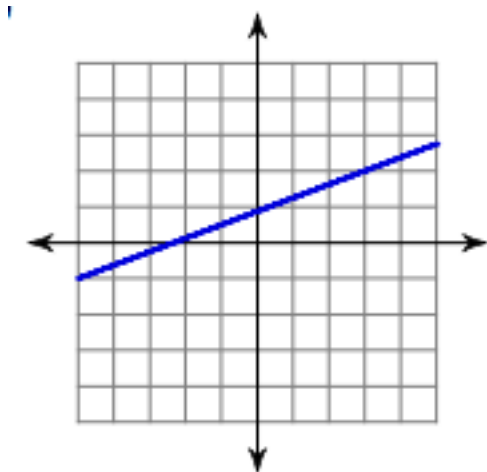
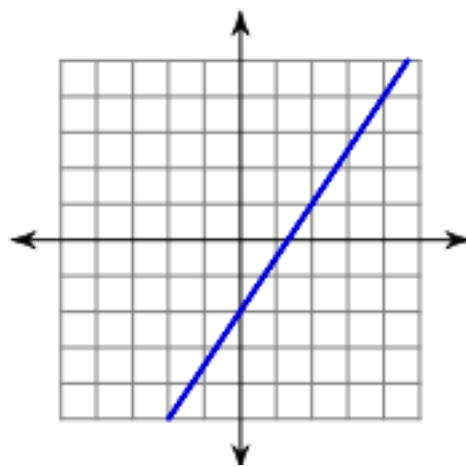
1. Find the slope of a line that passes through $(-2, 6)$ and $(3, 8)$.
2. Find the slope of a line that passes through $(5, 8)$ and $(3, 6)$.
3. Find the slope of a line that passes through $(2, 6)$ and $(2, 9)$.
4. Find the slope of a line that passes through $(4, 6)$ and $(3, 6)$.
5. Find the slope of a line that passes through $(-1, 5)$ and $(5, 4)$.

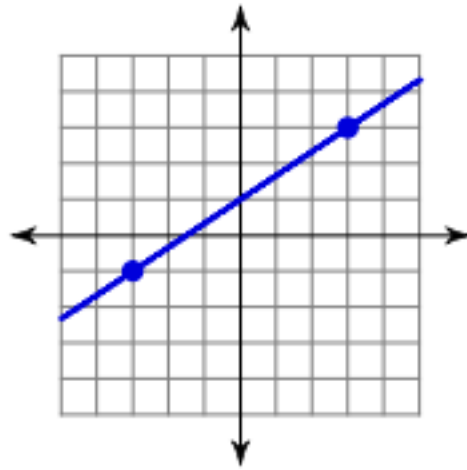
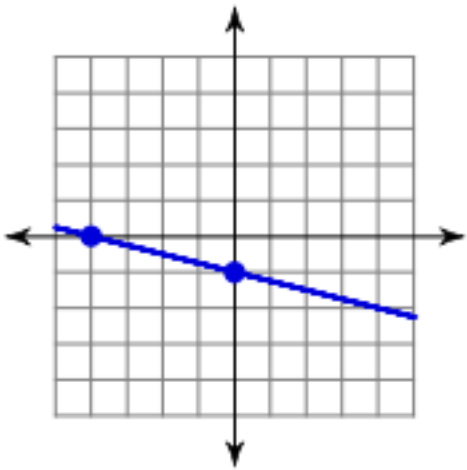
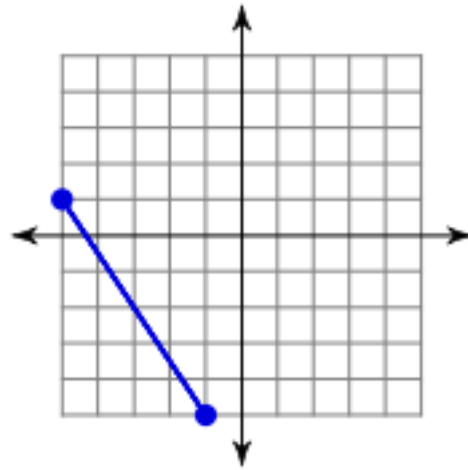
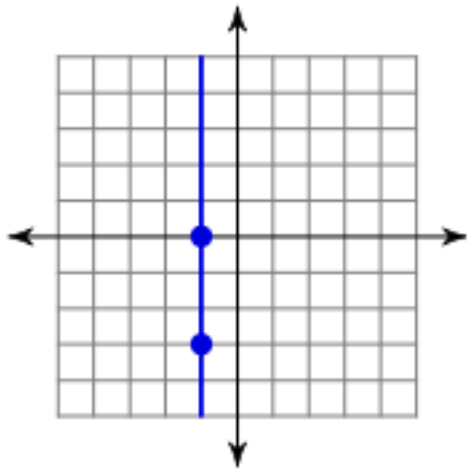
Find the slope of each.

6.



7.





13. Which is steeper $\frac{2}{3}$ or $\frac{3}{2}$?

14. Which is steeper -5 or 4 ?

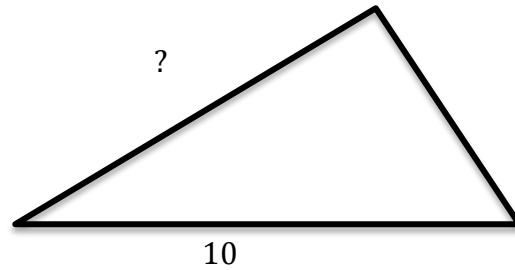
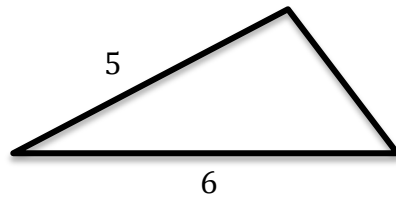
15. Which is steeper $\frac{1}{10}$ or $\frac{2}{5}$?

16. 2 cups of cupcake mix makes 48 cupcakes. How much mix do I need to make 64 cupcakes?

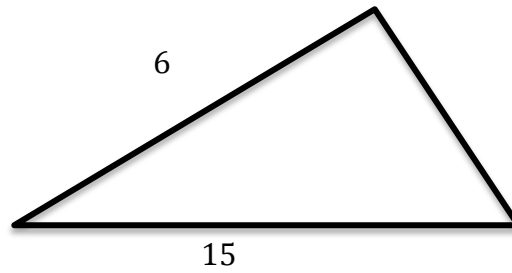
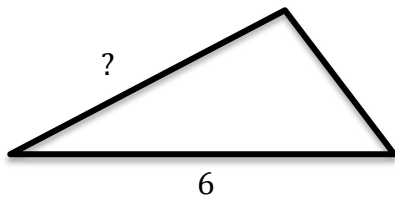
17. 2lbs of carrots feed 5 goats. How many pounds of carrots do I need to feed 18 goats?

18. A baby kitten cat drink 1.5 oz of formula at each feeding. How many ounces of formula do I need to feed 6 kittens?

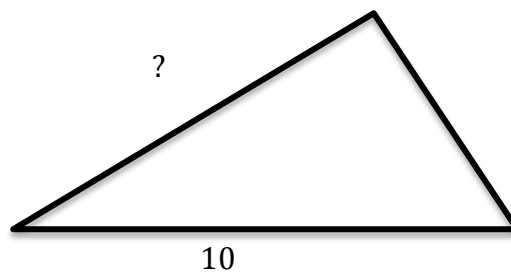
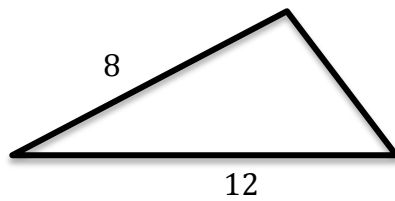
19.



20.



21.



$$22. \quad 5 - (2x - 4) = 5x + 3$$

$$23. \quad 4x + 3 = 4x - 2$$

$$24. \quad 5x + 1 = 5x + 1$$

$$25. \quad 3x + 4 = -(-3x - 4)$$

$$26. \quad \frac{3x+1}{5} + \frac{2x}{2} = 6$$

$$27. \quad \frac{2x+3}{4} + \frac{x}{2} = 1$$

$$28. \quad \text{Simplify: } \frac{6+2(4)-6}{5 \div 10(3+1)}$$

29. Simplify: $\frac{6+2 \div 8(2)}{2-6 \div 3(2)}$