Unit 7 Test Study Guide

Find the slope of a line that passes through (-2, 6) and (3, 8).

$$\frac{6-8}{-2-3} = \frac{-2}{-5} = \frac{2}{5}$$

Find the slope of a line that passes through (5, 8) and (3, 6). $\frac{8-6}{5-3} = \frac{2}{2} = 1$ 2.

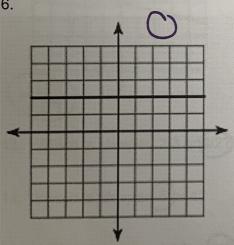
Find the slope of a line that passes through (2, 6) and (2, 9).

Find the slope of a line that passes through (4, 6) and (3, 6). $\frac{6-6}{4-3} = 0$

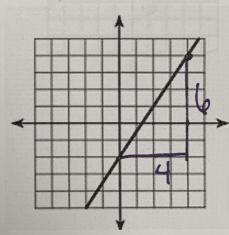
Find the slope of a line that passes through (-1, 5) and (5, 4). 5.

Find the slope of each.

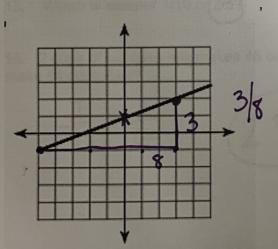
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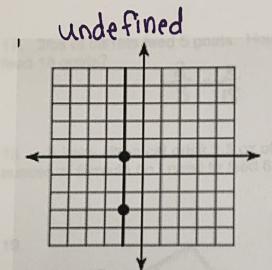


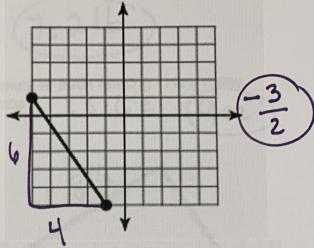
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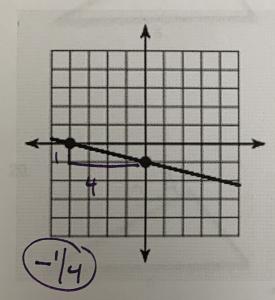


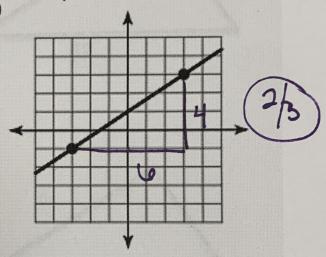
6/4 = (3/2



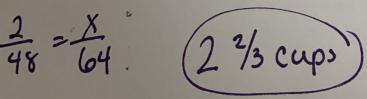


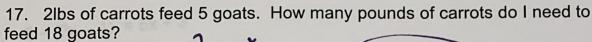


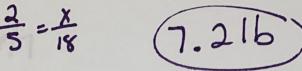




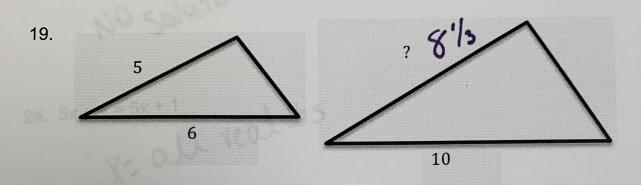
- 13. Which is steeper 2/3 or 3/2?
- 14. Which is steeper -5 or 4?
- 15. Which is steeper 1/10 or 2/5
- 16. 2 cups of cupcake mix makes 48 cupcakes. How much mix do I need to make 64 cupcakes?

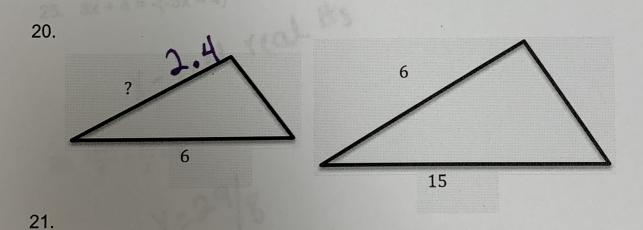


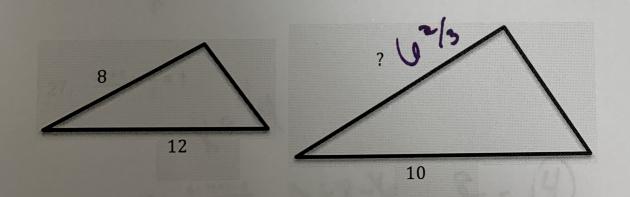




18. A baby kitten cat drink 1.5 oz of formula at each feeding. How many ounces of formula do I need to feed 6 kittens?







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

$$X = \frac{6}{7}$$

23.
$$4x + 3 = 4x - 2$$
 $NO Solution$

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

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

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

28. Simplify:
$$\frac{6+2(4)-6}{5+10(3+1)}$$
 $\frac{2+8-4}{1/2(4)} = \frac{8}{2} = \frac{4}{1}$

29. Simplify:
$$\frac{6+2+8(2)}{2-6+3(2)}$$
 $\frac{(b+\frac{1}{4}\cdot 2)}{2-2\cdot 2} = \frac{(b+\frac{1}{2})}{2-4} = \frac{(b+\frac{1}{2})}{2-2} = \frac{(b+\frac{1}{2})}{2-2}$