

## Proportions

State if each pair of ratios forms a proportion.

1)  $\frac{4}{2}$  and  $\frac{20}{6}$

2)  $\frac{3}{2}$  and  $\frac{18}{8}$

3)  $\frac{4}{3}$  and  $\frac{16}{12}$

4)  $\frac{4}{3}$  and  $\frac{8}{6}$

5)  $\frac{12}{24}$  and  $\frac{3}{4}$

6)  $\frac{6}{9}$  and  $\frac{2}{3}$

Solve each proportion.

7)  $\frac{10}{k} = \frac{8}{4}$

8)  $\frac{m}{10} = \frac{10}{3}$

9)  $\frac{2}{x} = \frac{7}{9}$

10)  $\frac{3}{x} = \frac{7}{10}$

11)  $\frac{4}{9} = \frac{2}{x}$

12)  $\frac{6}{a} = \frac{3}{8}$

## The Distributive Property

Simplify each expression.

1)  $6(1 - 5m)$

2)  $-2(1 - 5v)$

3)  $3(4 + 3r)$

4)  $3(6r + 8)$

5)  $4(8n + 2)$

6)  $-(-2 - n)$

7)  $-6(7k + 11)$

8)  $-3(7n + 1)$

9)  $-6(1 + 11b)$

10)  $-10(a - 5)$

11)  $-3(1 + 2v)$

12)  $-4(3x + 2)$

13)  $(3 - 7k) \cdot -2$

14)  $-20(8x + 20)$

15)  $(7 + 19b) \cdot -15$

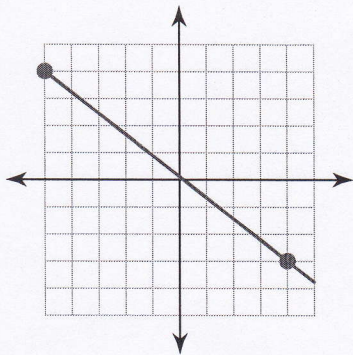
16)  $(x + 1) \cdot 14$



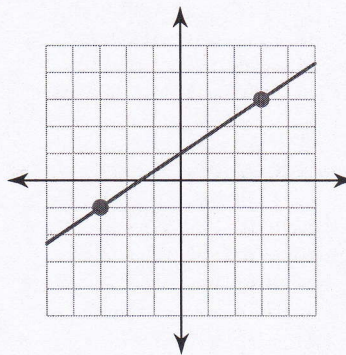
## Finding Slope From a Graph

Find the slope of each line.

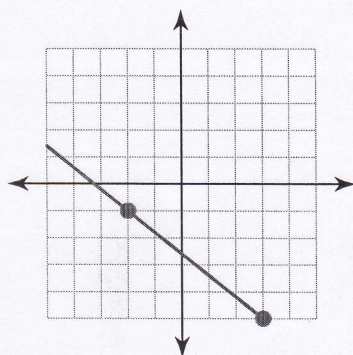
1)



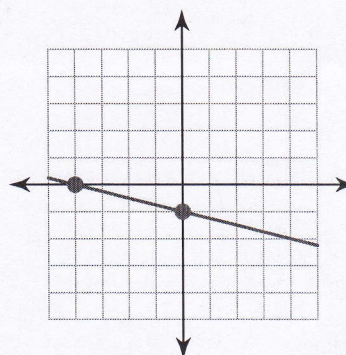
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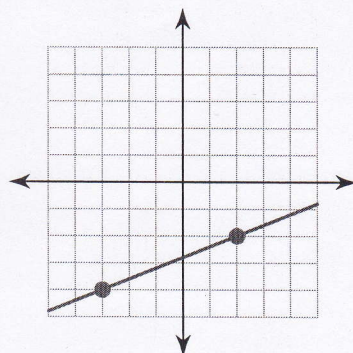
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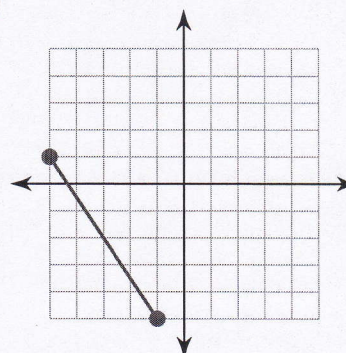
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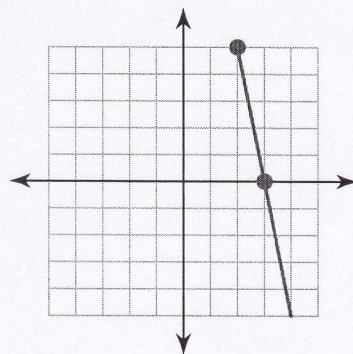
5)



6)



7)



8)

