



Slope - Missing Coordinates

Name _____

Score _____

SL:20

Find the unknown value for the given slope and points passing through the line.

1) $(0, -2)$ and $(-5, n)$

$$\text{Slope} = -\frac{1}{5}$$

$$n = \underline{\hspace{2cm}}$$

2) $(s, 4)$ and $(6, 9)$

$$\text{Slope} = \frac{5}{3}$$

$$s = \underline{\hspace{2cm}}$$

3) $(-4, a)$ and $(1, -3)$

$$\text{Slope} = -2$$

$$a = \underline{\hspace{2cm}}$$

4) $(2, -6)$ and $(h, 8)$

$$\text{Slope} = -\frac{7}{2}$$

$$h = \underline{\hspace{2cm}}$$

5) $(0, 0)$ and $(w, 12)$

$$\text{Slope} = 3$$

$$w = \underline{\hspace{2cm}}$$

6) $(1, 7)$ and $(-3, q)$

$$\text{Slope} = 4$$

$$q = \underline{\hspace{2cm}}$$

7) $(k, -6)$ and $(-2, 2)$

$$\text{Slope} = -\frac{8}{7}$$

$$k = \underline{\hspace{2cm}}$$

8) $(-1, c)$ and $(0, -4)$

$$\text{Slope} = -12$$

$$c = \underline{\hspace{2cm}}$$



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Answer key

SL:20

Find the unknown value for the given slope and points passing through the line.

1) $(0, -2)$ and $(-5, n)$

$$\text{Slope} = -\frac{1}{5}$$

$$n = \underline{-1}$$

2) $(s, 4)$ and $(6, 9)$

$$\text{Slope} = \frac{5}{3}$$

$$s = \underline{3}$$

3) $(-4, a)$ and $(1, -3)$

$$\text{Slope} = -2$$

$$a = \underline{7}$$

4) $(2, -6)$ and $(h, 8)$

$$\text{Slope} = -\frac{7}{2}$$

$$h = \underline{-2}$$

5) $(0, 0)$ and $(w, 12)$

$$\text{Slope} = 3$$

$$w = \underline{4}$$

6) $(1, 7)$ and $(-3, q)$

$$\text{Slope} = 4$$

$$q = \underline{-9}$$

7) $(k, -6)$ and $(-2, 2)$

$$\text{Slope} = -\frac{8}{7}$$

$$k = \underline{5}$$

8) $(-1, c)$ and $(0, -4)$

$$\text{Slope} = -12$$

$$c = \underline{8}$$