

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Slope**

Use slope formula to find the missing coordinate.

1) $(-6, 0)$ and $(1, b)$ ; $Slope = \frac{8}{7}$  $b = \square$	2) $(1, n)$ and $(6, -3)$ ; $Slope = -\frac{1}{5}$  $n = \square$	3) $(3, 1)$ and $(w, 9)$ ; $Slope = -\frac{8}{3}$  $w = \square$
4) $(-3, 0)$ and $(0, a)$ ; $Slope = -\frac{5}{3}$  $a = \square$	5) $(1, y)$ and $(2, 3)$ ; $Slope = -4$  $y = \square$	6) $(r, 1)$ and $(5, -7)$ ; $Slope = \frac{8}{3}$  $r = \square$
7) $(t, -3)$ and $(2, 6)$ ; $Slope = -1$  $t = \square$	8) $(2, 2)$ and $(0, x)$ ; $Slope = \frac{7}{2}$  $x = \square$	9) $(m, 3)$ and $(-1, 5)$ ; $Slope = -\frac{2}{3}$  $m = \square$
10) $(0, 2)$ and $(1, s)$ ; $Slope = 2$  $s = \square$	11) $(-5, -2)$ and $(z, 7)$ ; $Slope = \frac{9}{4}$  $z = \square$	12) $(8, 3)$ and $(1, q)$ ; $Slope = -\frac{6}{7}$  $q = \square$
13) $(c, 4)$ and $(2, 6)$ ; $Slope = \frac{2}{7}$  $c = \square$	14) $(2, 0)$ and $(1, p)$ ; $Slope = -8$  $p = \square$	15) $(-2, d)$ and $(7, 0)$ ; $Slope = -\frac{4}{9}$  $d = \square$

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## Answers:

1) $(-6, 0)$ and $(1, b)$ ; $Slope = \frac{8}{7}$  $b = \boxed{8}$	2) $(1, n)$ and $(6, -3)$ ; $Slope = -\frac{1}{5}$  $n = \boxed{-2}$	3) $(3, 1)$ and $(w, 9)$ ; $Slope = -\frac{8}{3}$  $w = \boxed{0}$
4) $(-3, 0)$ and $(0, a)$ ; $Slope = -\frac{5}{3}$  $a = \boxed{-5}$	5) $(1, y)$ and $(2, 3)$ ; $Slope = -4$  $y = \boxed{7}$	6) $(r, 1)$ and $(5, -7)$ ; $Slope = \frac{8}{3}$  $r = \boxed{8}$
7) $(t, -3)$ and $(2, 6)$ ; $Slope = -1$  $t = \boxed{11}$	8) $(2, 2)$ and $(0, x)$ ; $Slope = \frac{7}{2}$  $x = \boxed{-5}$	9) $(m, 3)$ and $(-1, 5)$ ; $Slope = -\frac{2}{3}$  $m = \boxed{2}$
10) $(0, 2)$ and $(1, s)$ ; $Slope = 2$  $s = \boxed{4}$	11) $(-5, -2)$ and $(z, 7)$ ; $Slope = \frac{9}{4}$  $z = \boxed{-1}$	12) $(8, 3)$ and $(1, q)$ ; $Slope = -\frac{6}{7}$  $q = \boxed{9}$
13) $(c, 4)$ and $(2, 6)$ ; $Slope = \frac{2}{7}$  $c = \boxed{-5}$	14) $(2, 0)$ and $(1, p)$ ; $Slope = -8$  $p = \boxed{8}$	15) $(-2, d)$ and $(7, 0)$ ; $Slope = -\frac{4}{9}$  $d = \boxed{4}$