Name: _____ Score:

Slope: Two-Point Formula

Find the slope using two-point formula.

1) $(2,-7)$ *and* $(-1,6)$

$\frac{y_2-y_1}{x_2-x_1}$ $\frac{6+7}{-1-2}=\frac{13}{-3}$

Slope = $\frac{13}{-3}$

2) $(-3,3)$ *and* $(7,6)$

Slope = ☐

3) $(-1,-9)$ *and* $(5,-6)$

$\frac{y_2-y_1}{x_2-x_1}$ $\frac{-6+9}{5+1}=\frac{3}{6}$

Slope = $\frac{1}{2}$

4) $(-4,9)$ *and* $(-5,8)$

Slope = ☐

5) $(8,-3)$ *and* $(-7,-1)$

$\frac{y_2-y_1}{x_2-x_1}$ $\frac{-1+3}{-7-8}=\frac{2}{-15}$

Slope = $-\frac{2}{15}$

6) $(-5,3)$ *and* $(2,6)$

Slope = ☐

7) $(8,5)$ *and* $(-9,5)$

$\frac{y_2-y_1}{x_2-x_1}$ $\frac{5-5}{-9-8}=\frac{0}{-17}$

Slope = 0

8) $(-7,2)$ *and* $(5,1)$

Slope = ☐

9) $(-4,3)$ *and* $(-4,-7)$

$\frac{y_2-y_1}{x_2-x_1}$ $\frac{-7-3}{-4+4}=\frac{-10}{0}$

Slope = ∅ undefined

10) $(-6,1)$ *and* $(3,5)$

Slope = ☐

11) $(1,-9)$ *and* $(1,-6)$

$\frac{y_2-y_1}{x_2-x_1}$ $\frac{-6+9}{1-1}=\frac{3}{0}$

Slope = ∅ undefined

12) $(-8,-3)$ *and* $(-4,2)$

Slope = ☐

13) $(2,3)$ *and* $(7,-6)$

$\frac{y_2-y_1}{x_2-x_1}$ $\frac{-6-3}{7-2}=\frac{-9}{5}$

Slope = $-\frac{9}{5}$

14) $(1,-8)$ *and* $(5,3)$

Slope = ☐

15) $(3,-9)$ *and* $(-4,-9)$

$\frac{y_2-y_1}{x_2-x_1}$ $\frac{-9+9}{-4-3}=\frac{0}{-7}$

Slope = 0