GSE Coordinate Algebra Name_____

Slope Intercept Form from two points

Date_____ Period____

Write the slope-intercept form of the equation of the line through the given points.

1) through: $(2, 1)$ and $(0, 0)$

2) through: $(-4, 5)$ and $(-5, -3)$

3) through: $(2, 1)$ and $(-5, 4)$

4) through: $(1, -4)$ and $(4, 5)$

5) through: $(3, 0)$ and $(0, -3)$

6) through: $(0, -2)$ and $(-1, 3)$

7) through: $(-2, -4)$ and $(4, 5)$

8) through: $(5, -1)$ and $(-4, -1)$

9) through: $(4, 1)$ and $(5, 4)$

10) through: $(-2, -3)$ and $(-3, 0)$

11) through: $(4, -2)$ and $(5, 1)$

12) through: $(-4, -5)$ and $(1, -2)$

13) through: $(-1, -5)$ and $(1, -4)$

14) through: $(1, 5)$ and $(5, -3)$

15) through: $(3, 5)$ and $(0, 0)$

16) through: $(0, 0)$ and $(2, 2)$

17) through: $(0, -3)$ and $(5, -1)$

18) through: $(0, -2)$ and $(-3, 5)$

19) through: $(3, 5)$ and $(0, 1)$

20) through: $(0, -4)$ and $(-2, -5)$

Answers to Slope Intercept Form from two points

1) $y = \frac{1}{2}x$

2) $y = 8x + 37$

3) $y = -\frac{3}{7}x + \frac{13}{7}$

4) $y = 3x - 7$

5) $y = x - 3$

6) $y = -5x - 2$

7) $y = \frac{3}{2}x - 1$

8) $y = -1$

9) $y = 3x - 11$

10) $y = -3x - 9$

11) $y = 3x - 14$

12) $y = \frac{3}{5}x - \frac{13}{5}$

13) $y = \frac{1}{2}x - \frac{9}{2}$

14) $y = -2x + 7$

15) $y = \frac{5}{3}x$

16) $y = x$

17) $y = \frac{2}{5}x - 3$

18) $y = -\frac{7}{3}x - 2$

19) $y = \frac{4}{3}x + 1$

20) $y = \frac{1}{2}x - 4$