

Assignment

Date _____ Period _____

Write the standard form of the equation of the line through the given points.1) through: $(0, -1)$ and $(-4, -2)$ 2) through: $(2, 1)$ and $(5, -2)$ 3) through: $(0, 0)$ and $(5, -1)$ 4) through: $(3, 5)$ and $(0, 3)$ 5) through: $(-5, 5)$ and $(-2, -1)$ 6) through: $(-3, -2)$ and $(5, 2)$ 7) through: $(-5, -3)$ and $(4, 5)$ 8) through: $(0, -1)$ and $(4, -4)$ 9) through: $(-4, -1)$ and $(-4, -5)$ 10) through: $(5, 3)$ and $(0, -5)$ 11) through: $(0, 0)$ and $(-1, -3)$ 12) through: $(-3, -1)$ and $(1, 0)$ 13) through: $(-2, -4)$ and $(-3, -2)$ 14) through: $(-4, -5)$ and $(-3, 4)$ 15) through: $(5, 3)$ and $(-5, 2)$ 16) through: $(-1, -4)$ and $(-5, -1)$ 17) through: $(-3, 0)$ and $(0, -4)$ 18) through: $(4, 5)$ and $(-1, 3)$ 19) through: $(0, -3)$ and $(-5, 0)$ 20) through: $(0, 4)$ and $(2, 2)$

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Write the standard form of the equation of the line through the given points.

1) through: $(0, -1)$ and $(-4, -2)$

$$x - 4y = 4$$

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

$$x + 5y = 0$$

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

$$2x + y = -5$$

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

$$8x - 9y = -13$$

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

$$x = -4$$

11) through: $(0, 0)$ and $(-1, -3)$

$$3x - y = 0$$

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

$$2x + y = -8$$

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

$$x - 10y = -25$$

17) through: $(-3, 0)$ and $(0, -4)$

$$4x + 3y = -12$$

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

$$3x + 5y = -15$$

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

$$x + y = 3$$

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

$$2x - 3y = -9$$

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

$$x - 2y = 1$$

8) through: $(0, -1)$ and $(4, -4)$

$$3x + 4y = -4$$

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

$$8x - 5y = 25$$

12) through: $(-3, -1)$ and $(1, 0)$

$$x - 4y = 1$$

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

$$9x - y = -31$$

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

$$3x + 4y = -19$$

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

$$2x - 5y = -17$$

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

$$x + y = 4$$