Math 8

16-11-01-T8

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

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

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

3) through: $(-2, -4)$ and $(3, 0)$

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

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

6) through: $(0, 3)$ and $(3, 3)$

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

8) through: $(4, 5)$ and $(0, 2)$

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

10) through: $(0, -1)$ and $(1, 0)$

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

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

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

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

14) through: $(-4, 4)$ and $(-1, -3)$

15) through: $(1, -1)$ and $(-3, 3)$

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

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

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

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

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

Answers to 16-11-01-T8

1) $y = -6x - 1$

2) $y = 2x + 7$

3) $y = \frac{4}{5}x - \frac{12}{5}$

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

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

6) $y = 3$

7) $y = -\frac{1}{5}x - 3$

8) $y = \frac{3}{4}x + 2$

9) $y = -\frac{6}{5}x + 5$

10) $y = x - 1$

11) $3x - 2y = 4$

12) $8x - 5y = 25$

13) $3x + 2y = -6$

14) $7x + 3y = -16$

15) $x + y = 0$

16) $y = 1$

17) $3x - y = -9$

18) $10x + y = -5$

19) $7x + 3y = 23$

20) $8x + y = -36$