14-02-06-T8

Write the standard form of the equation of the line through the given point with the given slope.

1) through: $(-1, 2)$, slope $= \frac{3}{5}$

2) through: $(2, -5)$, slope $= -\frac{9}{5}$

3) through: $(-2, 0)$, slope = undefined

4) through: $(-1, -1)$, slope $= -2$

5) through: $(-1, 0)$, slope $= -\frac{3}{4}$

6) through: $(-5, -3)$, slope $= -\frac{1}{5}$

7) through: $(0, -5)$, slope $= \frac{7}{2}$

8) through: $(-1, -4)$, slope = undefined

9) through: $(0, -1)$, slope $= -\frac{1}{2}$

10) through: $(2, 0)$, slope = undefined

Write the standard form of the equation of the line described.

11) through: $(4, -2)$, parallel to $y = \frac{1}{4}x + 5$

12) through: $(4, 5)$, parallel to $x = 0$

13) through: $(-2, 1)$, parallel to $y = -x + 2$

14) through: $(-1, -5)$, parallel to $y = 5x - 2$

15) through: $(-2, 3)$, parallel to $x = 0$

Answers to 14-02-06-T8

1) $3x - 5y = -13$
2) $9x + 5y = -7$
3) $x = -2$
4) $2x + y = -3$
5) $3x + 4y = -3$
6) $x + 5y = -20$
7) $7x - 2y = 10$
8) $x = -1$
9) $x + 2y = -2$
10) $x = 2$
11) $x - 4y = 12$
12) $x = 4$
13) $x + y = -1$
14) $5x - y = 0$
15) $x = -2$