Determine whether the graphs of each page

perpendicular, or none of these.

12.
$$y = 5x - 18$$

 $2x + 10y + 10 = 0$

15.
$$y = -3$$
 $x = 6$

18.
$$y = 3x - 2$$
 $3x + y = 2$

13.
$$y - 7x + 5 = 0$$

 $y - 7x - 9 = 0$

16.
$$y = 4x - 3$$

 $4.8x - 1.2y = 3.6$

19.
$$5x + 9y = 14$$

$$y = -\frac{5}{9}x + \frac{14}{9}$$

14.
$$y = \frac{1}{3}x + 11$$

 $y = 3x - 9$

$$17. 4x - 6y = 11$$
$$3x + 2y = 9$$

$$20. y + 4x - 2 = y + 4x + 1 =$$

21. Are the graphs of y = 3x - 2 and y = -3x + 2 parallel, coinciding, perpendicu or none of these? Explain.

Write the standard form of the equation of the line that is parallel to the grap of the given equation and passes through the point with the given coordinates.

22.
$$y = 2x + 10$$
; $(0, -8)$

22.
$$y = 2x + 10$$
; $(0, -8)$ **23.** $4x - 9y = -23$; $(12, -15)$

24.
$$y = -9$$
; (4, $-$)

Write the standard form of the equation of the line that is perpendicular to the graph of the given equation and passes through the point with the given

25.
$$y = 5x + 12$$
; $(0, -3)$

26.
$$6x - y = 3$$
; $(7, -2)$

27.
$$x = 12$$
; $(6, -1)$

28. The equation of line ℓ is 5y - 4x = 10. Write the standard form of the equation a. parallel to ℓ and passes through the point of ℓ