

Perpendicular Lines Worksheets

Find the equation of a line perpendicular to the given equation and passing through the given point. Write your answer in slope-intercept form.

$$4x + 9y = -9 \text{ and } (-4, 2)$$

$$5x + 6y = 12 \text{ and } (3, -2)$$

$$x + 4y = 32 \text{ and } (-4, 5)$$

$$7x + 4y = 16 \text{ and } (2, 1)$$

$$-x + 2y = -20 \text{ and } (-1, -4)$$

$$-x + 3y = -6 \text{ and } (0, -1)$$

Perpendicular Lines Worksheets

Find the equation of a line perpendicular to the given equation and passing through the given point. Write your answer in slope-intercept form.

$$4x + 9y = -9 \text{ and } (-4, 2)$$

$$y = \frac{9}{4}x + 11$$

$$5x + 6y = 12 \text{ and } (3, -2)$$

$$y = \frac{3}{5}x - \frac{28}{5}$$

$$x + 4y = 32 \text{ and } (-4, 5)$$

$$y = 4x + 21$$

$$7x + 4y = 16 \text{ and } (2, 1)$$

$$y = \frac{4}{7}x - \frac{1}{7}$$

$$-x + 2y = -20 \text{ and } (-1, -4)$$

$$y = -2x - 6$$

$$-x + 3y = -6 \text{ and } (0, -1)$$

$$y = -3x - 1$$