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.

$y = \dfrac{1}{4}x - 2$ and $(2, 2)$

$y = -6x - 3$ and $(1, 3)$

$y = \dfrac{5}{2}x - 4$ and $(-1, 2)$

$y = 3x + 2$ and $(-2, 3)$

$y = \dfrac{3}{2}x + 3$ and $(-5, 4)$

$y = \dfrac{1}{5}x + 5$ and $(5, -5)$

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.

$y = \dfrac{1}{4}x - 2$ and $(2, 2)$

$y = -4x + 10$

$y = -6x - 3$ and $(1, 3)$

$y = \dfrac{1}{6}x + \dfrac{17}{6}$

$y = \dfrac{5}{2}x - 4$ and $(-1, 2)$

$y = -\dfrac{2}{5}x + \dfrac{8}{5}$

$y = 3x + 2$ and $(-2, 3)$

$y = -\dfrac{1}{3}x + \dfrac{7}{3}$

$y = \dfrac{3}{2}x + 3$ and $(-5, 4)$

$y = -\dfrac{2}{3}x + \dfrac{2}{3}$

$y = \dfrac{1}{5}x + 5$ and $(5, -5)$

$y = -5x + 20$

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