

Way Cool Algebra**Perpendicular (1-15)****Linear Equations**Write the equation that is **PERPENDICULAR** to the given line and passes through the given point.

1) $y = -\frac{1}{2}x + 4 ; (2,6)$	2) $y = \frac{7}{8}x ; (56,-3)$	3) $y = -\frac{1}{4}x - 7 ; (8,1)$
4) $y = 3x + 5 ; (-2,2)$	5) $y = -2x + 8 ; (-3,-1)$	6) $y = \frac{2}{3}x - 1 ; (2,-1)$
7) $y = x - 2 ; (5,0)$	8) $y = -4x - 7 ; (-4,-7)$	9) $y = -\frac{1}{2}x + 4 ; (8,5)$
10) $y = 3x - 1 ; (-2,-2)$	11) $y = 5 - 6x ; (-3,6)$	12) $y = -\frac{2}{5}x ; (4,-7)$
13) $y = 2 - \frac{1}{2}x ; (-3,6)$	14) $y = -\frac{3}{2}x - 3 ; (-6,-4)$	15) $y = \frac{3}{4}x + 10 ; (-6,-2)$

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