

Name: _____

Math is Gold

Date: _____

(id:lines_eqn_perp_M.1)

Title: Write the equation to a line (Slope-intercept form) passing through a given point and perpendicular to a given line.

1) $(-1, 2)$, $x - y = 1$

2) $(-4, -3)$, $4x + y = 1$

3) $(-6, -4)$, $y = -\frac{3}{4}x + 2$

4) $(-1, -2)$, $3x - y = 7$

5) $(-2, -2)$, $y = -\frac{2}{5}x - 1$

6) $(-3, -4)$, $y = x + 4$

7) $(-2, -1), y = -4x + 1$

8) $(8, -5), 3x - y = 6$

9) $(2, 5), 3y = 2x - 1$

10) $(-2, -4), 2x + 4y = -1$

11) $(-4, -3), y = 2x - 5$

12) $(-4, 6), 3y = 2x + 5$

13) $(2, -1), 6x - y = 2$

14) $(6, -7), 2y - x = 3$

15) $(6, 10), y = -x + 7$