Relations WAY

Decided if the equations are Parallel, Perpendicular, or Neither.

1) $2x + y = 2 \; ; \; 6x + y = 4x - 9$

2) $3x - 5y = 15 \; ; \; 3y - 5x = -9$

Point - Slope Form WAY

Write each equation in Slope – Intercept form given a point on the line and that the line is Perpendicular.

3) $y = -3x + 3 \; ; \; (15,-4)$

4) $y = 7x + 5 \; ; \; (-7,-9)$

5) $y = -\frac{10}{9}x - 7 ; \; (-10,11)$

6) $y = \frac{3}{5}x + 6 \; ; \; (15,-13)$

7) $3y + 3x = -36 \; ; \; (4,12)$

8) $15x + y = 1 \; ; \; (-14,-9)$

9) $4y - 11x = 9 ; \; (11,-10)$

10) $-8y - 48 = 4x \; ; \; (7,-1)$