Slope - Intercept WAY

Write each in Slope – Intercept Form.

1) $y-8=3(x-3)$

2) $y+4=-2(x-5)$

3) $y-10=-\frac{3}{2}(x-6)$

4) $y+12=\frac{1}{4}(x-8)$

Point - Slope Form

TRUTH

An equation in

POINT - SLOPE FORM

looks like:

$$y - y_1 = m(x - x_1)$$

Point - Slope Form WAY

Write each equation in Point – Slope form given the slope and a point on the line.

5) $slope = \frac{5}{2}$; (8,6)

6) $slope = -7$; (–4,2)

7) $slope = 3$; (–2,–9)

8) $slope = -\frac{1}{6}$; (–8,3)

Point - Slope Form WAY

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

9) $slope = -4\ ;\ (-1,-2)$

10) $slope = \frac{1}{3}\ ;\ (-3,1)$

11) $slope = 3\ ;\ (-1,4)$

12) $slope = -\frac{2}{3}\ ;\ (6,-3)$