Bellwork

Monday, March 10, 2014

For 1 to 4, tell ifeach pair of lines parallel, perpendicular, or neither?

1.
$$v = 4x - 5$$

$$3x - 12y = 60 - 3x$$

$$\frac{-12}{-12} \times \frac{-60-3x}{-12} \times \frac{-12}{-12} \times \frac{-12}{-12}$$

$$2 v = 2r$$

$$x = -\frac{1}{2} \text{ Vertical}$$

5. Given the line

$$y = (-\frac{7}{4})x + 3$$

Write the equation of the line that is parallel to this line and passes through the point (-8, 10)

Write your answer in both Point-Slope and Slope-Intercept Forms:

3.
$$y = 2x - 1$$

$$6x - \beta y = 9 - 6x$$

$$-6x - 3x - 3$$

$$4x - 3 + 2x - 3$$

6. Given the line:
$$y = \frac{2}{3}x - 9$$

Write the equation of the line that is perpendicular to this line and passes through the point (12, -5)

$$y+5=-\frac{3}{2}(x-12)$$