

Bellwork Tuesday, June 10, 2014

1. Write the equation of the line that passes through this pair of points in both Slope-Intercept Form and Point-Slope Form.

Points: (8, -1) and (-4, 17)

Slope-Intercept Form:

Point-Slope Form:

2. Use this line: $y = -6x + 1$

a. Write the equation of the line that is parallel to this line and passes through the point (-5,2)

b. Write the equation of the line that is perpendicular to this line and passes through the point (24, -9)

3. Solve this system of equations using substitution.

$$y = -5x + 8$$

$$3x - 2y = 23$$

4. Solve this system of equations using Elimination.

$$4x - 6y = -38$$

$$3x + 5y = 19$$

5. Is this relation a function?

(4, -7)

(-1,8)

(5,6)

(13, 8)

6. Simplify. Leave no exponents that are zero or negative.

$$\frac{(2m^4n^{-2}p)^3}{(5m^{-5}n^{-4}p^6)^{-2}}$$