Algebra 1- Week 8 Homework

**Monday-** (Algebra Nation: Section 2: Equations and Inequalities, Topic 8: Rearranging Formulas)

1. Solve the equation below for v. d = 5v + m

1. Shoe sizes and foot length are related by the formula S = 3F - 24, where S represents the shoe size and F represents the length of the foot, in inches. Solve the formula for F.

**Tuesday-** Test review! Study for test!!! Topics on test:

1. The language of algebra- Writing algebraic expressions
2. Combining like terms- (ex: 3x + 4x = 7x)
3. One-step equations- addition, subtraction, multiplication, and division
4. Two-step equations
5. Distributive property (ex: 4(2x – 3) = 4(2x) + 4(-3) = 8x - 12
6. Multi-Step Equations(distributive property, combining like terms on same side, inverse operations (add and subtract first, then multiply and divide)
7. Literal Equations (solving for a given variable)

**Wednesday-** Test day! No homework!

**Thursday-**

1. Graph the line: $y=\frac{3}{5}x+7$**.**
2. Determine if the point (5, 25) is on the line $y=3x+10$**.**

**Friday-**

1. Write the equation of a line that has a slope of 4, and passes through the point (10, 21)
2. Write the equation of a line that passes through the points (6, 3) and (8, 9)