



$$\frac{\$ 0.60}{6.5 \text{ oz}} \left\{ \text{RATE} \right.$$

$$\begin{array}{r} \$ 0.09 \\ \hline 1 \text{ oz} \end{array}$$

$$\$ 0.09 \text{ PER oz}$$

$$6.5 \overline{) 0.60} \quad \begin{array}{r} 0.0923 \\ \hline 0.0923 \end{array}$$

Jan 31-7:44 AM

COST OF CHOCOLATE THAT  
IS YOUR WEIGHT.

$$\$ 0.09 \text{ PER oz} \quad 16 \text{ oz PER POUND}$$

$$\$ 0.09 * 16 \text{ oz} =$$

$$\$ 1.44 \text{ FOR 1 POUND.}$$

$$\$ 1.44 * (\text{YOUR WEIGHT IN POUNDS}) = \$ 142.56 \text{ FOR YOUR WT.}$$

Jan 31-7:52 AM

## Quiz Readiness

I should be able to:

- Represent the comparison of two values 3 different ways
- Express a given ratio in simplest form
- Identify unacceptable forms of representing a ratio
- Distinguish between a Ratio, Rate, and Unit Rate
- Convert a Rate into a Unit Rate
- Distinguish between equivalent Ratios
- Create equivalent Ratios
- Convert between metric measurements
- Convert between rates

Jan 28-1:27 PM

## Introduction to Algebra

### To do now:

- ✓ **Complete Warm Up**

### Warm Up:

**Solve for the variable:**

$$ab - ac = 6; a$$

DP  
FACTOR

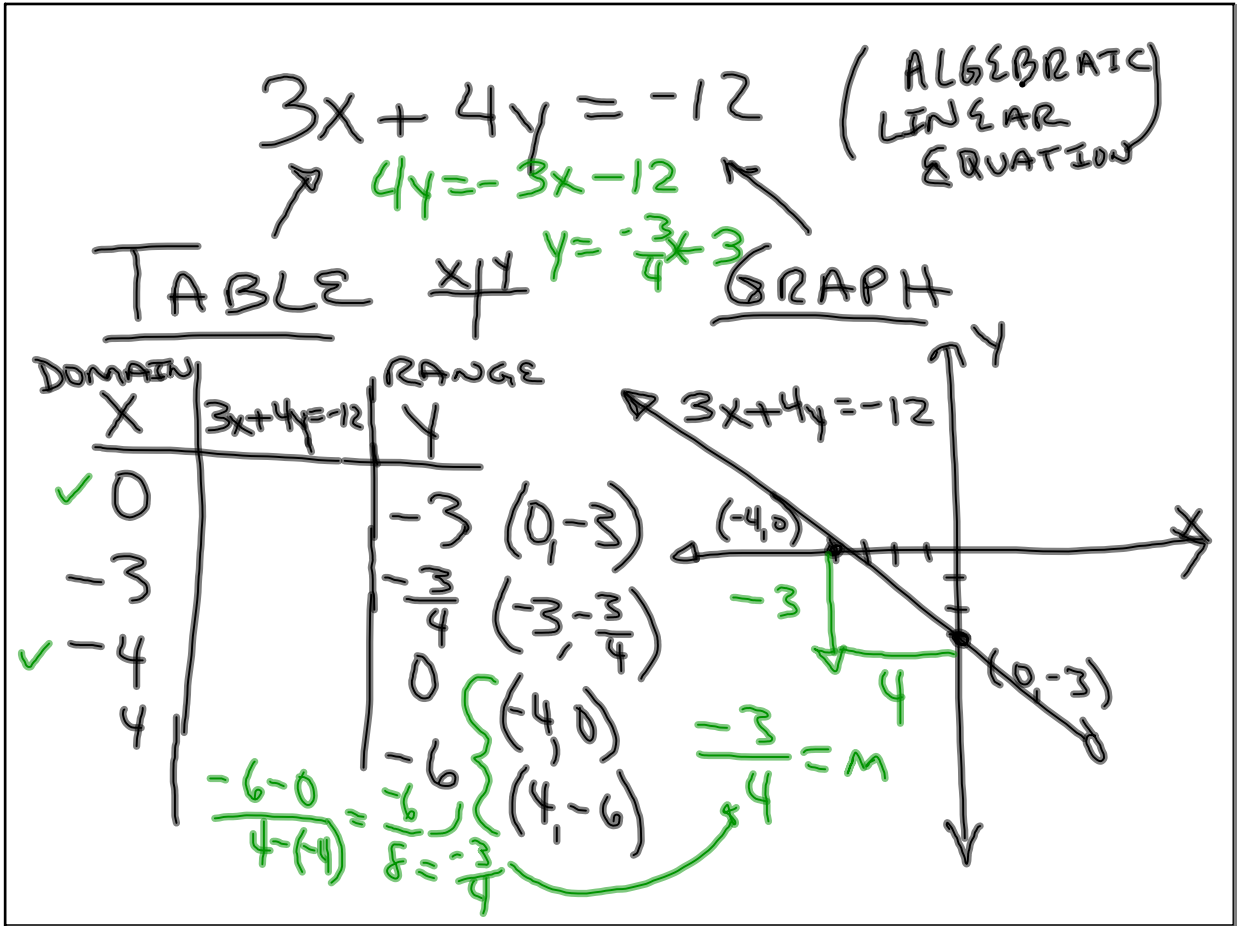
### Agenda:

- ✓ **Creating Tables and Graphic representations of Algebraic Linear Equations**
- ✓ **The Good-Bad...**

### Homework:

**Page 801 #5 - 20**  
**Point-Slope**

Oct 26-11:27 AM



Jan 31-8:41 AM



Jan 31-8:55 AM

$$AB - AC = b$$

$$A(B - C) = b$$

$$\frac{A(B - C)}{(B - C)} = \frac{b}{(B - C)} \quad 3x = 21$$

$$A = \frac{b}{B - C}$$

Jan 31-8:35 AM

## Advanced Algebra

### To do now:

- ✓ **Homework on your desk**  
(Page 209 & 212 #2-42 Evens)
- ✓ **Complete Warm Up**

### Warm Up:

**Solve for x:**

$$-3(x - 6) + 5 \leq -8$$

### Agenda:

- ✓ **Factoring Polynomials**  
where  $a > 1$

### Homework:

**Review class notes**

Oct 26-11:27 AM

#22

$$c^2 - 19cd + 48d^2$$

$$(c - 3d)(c - 16d)$$

$$\frac{48}{3 \ 16}$$

Jan 31-12:40 PM

#24

$$1 - 7pq - 60p^2q^2$$

$$(1 + 5pq)(1 - 12pq)$$

	<u>60</u>
1	60
2	30
3	20
4	15
5	12
6	10

$$1^2 = 1$$

$$1^1 = 1$$

$$1^{\frac{1}{2}} = \sqrt{1}$$

Jan 31-12:42 PM

#34

$$x^2 + Kx - 45$$

$$(x + 45)(x - 1)$$

45	
1	45
3	15
5	9

= 44, -44

= 12, -12

= 4, -4

Jan 31-12:46 PM

$y^2 + Ky + 4$

$$(y + 1)(y + 4)$$

4	
1	4
2	2

= 5, -5

= ~~2, 2~~

= -4, 4

Jan 31-12:49 PM

$$\begin{array}{r}
 y^2 + 2y - 5 \\
 y^2 + 2y - 10 \\
 \hline
 y^2 + 2y - \textcircled{15} \\
 (y+5)(y-3)
 \end{array}$$

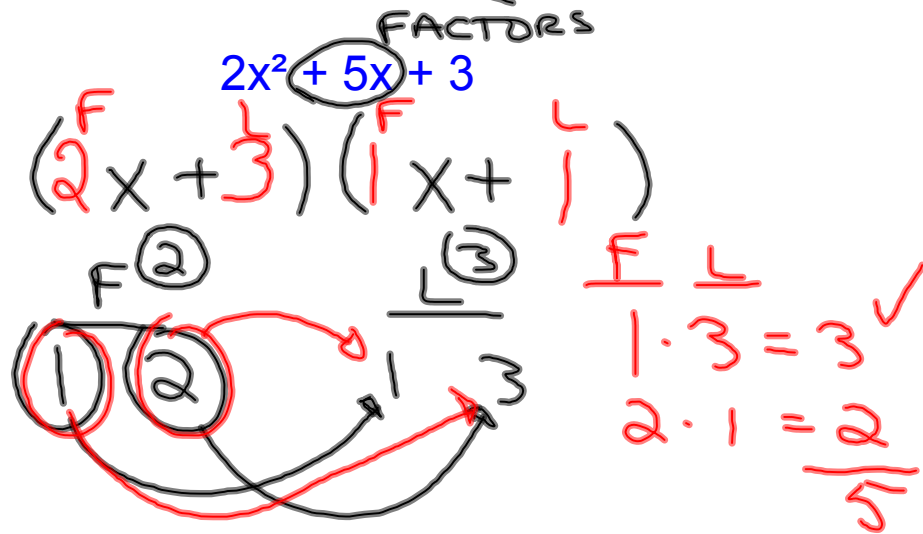
Jan 31-12:52 PM

$$\begin{array}{l}
 3y^2 - 6xy + 3x^2 \\
 3(y^2 - 2xy + x^2) \\
 3(y-x)(y-x) \\
 \frac{1}{1 \quad 1} \quad 3(y-x)^2
 \end{array}$$

Jan 31-12:54 PM

Same steps as before except...

In addition to listing the factors of the last term, you will also need to list terms of the first term...



Jan 28-1:41 PM

$$7x^2 - 18x + 8$$

Jan 28-1:45 PM

$$42x^2 + 41x + 9$$

Jan 28-1:45 PM