Algebra 4-3: Solving Sentences Involving Subtraction

Warm-Up

Explain what each phrase means.

1. Twice

3 X

2. Triples

Plus

3. More than4. Decreased

Subtract

5. Name 3 other words that are "key words" or tell you to do an operation.

of (mult)
aubtient(+)
Bum (+)

A math sentence is either an _ equality

The phrase, "some number" means We don't Know the number so use a Variable.

Remember to Change the Sign, if we Multiply or divide by a negative number.

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$$\frac{-6}{4}y = -20$$

$$\frac{-20}{4} = -20$$

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$$\frac{-20}{4} = -20$$

$$\begin{array}{c|c}
-5000 - 30x < 1000 \\
-5000 & -5000 \\
\hline
-30x 4 - 4000 & X > [33,3] \\
-30 & -30
\end{array}$$



Equation: 22 - 6x = 34

$$\frac{3}{3} - 6x = 34$$

$$\frac{-1}{3} \times = 12$$

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$$\frac{-1}{3} \times = 12$$

Equation:

$$4x-12=68$$
 $4x-12=68$
 $4x=80$
 $4x=80$
 $4x=80$