Do Now

Solve the following (Check if necessary)

1)
$$-5(3g + 9) = -3(5g - 12)$$

$$-15g - 45 = -15g + 36$$

$$-45 + 36$$
Solution

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Homework Answers

- 1) x = 0



3) All Real Numbers



4) k = -3

TRANSLATING EQUATIONS

What are some words used to represent an equation?

* Equals

Sum/difference/

* is

result

equivalent

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TRANSLATING EQUATIONS

When translating sentences into equations:

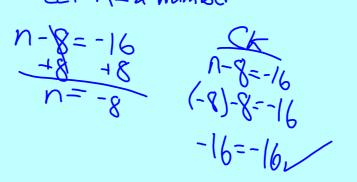
- 1) Identify the numbers being used in the equation
- 2) Write a "let" statement to represent the variable $(e+ \times = a)$
- 3) Identify the operations being done
- 4) Figure out where the equals sign goes in the equation
- 5) Solve the equation (and check!!!)

TRANSLATING EQUATIONS

1) The sum of a number and (13 is (31). Find the number.



2) If eight less than a number equals -16) what is the number?



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TRANSLATING EQUATIONS

- 3) If 12 equals a number decreased by eight, what is that number?
- 4) Three minus a number divided by four is -1, find the number.
- 5) If 12 is subtracted from half a number, the result is 4. Find the number.

Let
$$N=a$$
 number

 $\frac{1}{2}N-12=4$
 $\frac{1}{413}+12$
 $\frac{1}{413}+12=4$
 $\frac{1}{413}+12=4$
 $\frac{1}{413}+13=4$
 $\frac{1}{4$

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