Do Now

Translate, solve, and check:

1) Five times a number increased by 19 equals 39. What is that number? Let x=a number the check 5x+19=39 5x+19=39 -19-19 20+19=39 20+19=39 39=39

Oct 3-1:40 PM

Homework Answers

1)
$$2n = -16$$
, $\{-8\}$

4)
$$2 = \frac{x}{9} + 4$$
, {-18}

5)
$$\frac{3}{5}n = 27$$
, {-45}

Equation Word Problems

When working with equation word problems

- 1) Read the problem and see what it is asking
- 2) Identify the operations and numbers being used
- 3) Write a "let" statement to identify the variable
- 4) Translate, solve, and check (See if answer makes sense)

Oct 3-2:02 PM

1) Jane spent \$42 for shoes. This was \$14 less than twice what she spent for a shirt. How much was the shirt?

Let
$$x = Price of Shirt$$
 $4|2 = 2x - 14|$
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2) Ann took a taxi home from the airport. The taxi fare was \$2.10 per mile, and she gave the driver a tip of \$5. Ann paid a total of \$49.10. How far, in miles, does Ann live from the airport.

Oct 3-2:17 PM

8) You have \$60 and your sister has \$120. You are saving \$7 per week and your sister is saving \$5 per week. How long will it be before you and your sister have the same amount of money?

Let x=number of weeks 7x+60 = 5x+120 -5x - 5x 2x+60 = 120 -60 3x = 60 +=3030 weeks My sister and I will Nave Same money