## Pre-Algebra

HW #17: Equations and Inequalities Test Study Guide

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Per: \_\_\_\_\_2

Solve each of the following equations for x. For full credit, show each step like we have done together in class.

1) 
$$89 = -25 + x$$

$$89 = -25 + X$$
  
+ 25 + 25

2) 
$$\frac{x}{-12} = 15$$

3) 
$$20 + \frac{x}{8} = -10$$

$$\frac{\frac{x}{8} + 20 = -10}{\frac{x}{8} - 20} = -30 : 8$$

4) 
$$18 - 16x = 66$$

$$-16x+18=66$$

$$-16x = 48$$
  
 $+-16$   
 $+-16$ 

5) 
$$13x = 7$$

(express answer as a fraction, not a decimal)

6) 
$$10x + 300 = -500$$