Answer the questions in the spaces provided on the question sheets. Then enter your answer into the Integer Equations Quiz on Schoology. If you run out of room for an answer, raise your hand to ask for an extra piece of paper.

Name and period: _____

1) Find the value of the variable that makes the equation true.

$$3x + 10 = 70$$

4) Find the value of the variable that makes the equation true.

$$2x + 15 = 83$$

2) Find the value of the variable that makes the equation true.

$$\frac{1}{3}(x + 3) = 9$$

5) Find the value of the variable that makes the equation true.

$$\frac{1}{4}(x + 2) = 10$$

3) Find the value of the variable that makes the equation true.

$$-\frac{1}{4}(x + 2) = 10$$

6) Find the value of the variable that makes the equation true.

$$5x + 301 = -405 + 301$$

7) Find the value of the variable that makes the equation true.

$7(x - 1) = 70$

8) Find the value of the variable that makes the equation true.

$\frac{1}{3}x + (-136) = -158$

9) Find the value of the variable that makes the equation true.

$\frac{1}{2}x + 93 = -211$

10) Find the value of the variable that makes the equation true.

$\frac{1}{5}(x + 25) = -25$

11) Find the value of the variable that makes the equation true.

$\frac{1}{2}(2x + 4) = -8$