T3-03 Number	Name	Period
Determine if the following expressions are equivalent. Explain how you know.		

1) -7x - 15 and x + 10 - 8x - 25

2) -8(2+3x) and -16+24x

Factor the following expressions.

3) 6x - 15 4) 8x + 36 5) 7x + 15

Simplify each expression:

6) -42 + 21 7) -18 - 15 8) 13 - 40

9) Explain what the equal sign means in the following equation: 4 - 12 = -8

10) Perry solved the equation below. Determine if his solution is correct. If it is not correct, find his mistake and determine the correct solution. Explain all of your thinking.

$$-4x - 3 = -15$$

$$+3 = +3$$

$$-4x = -12$$

$$\frac{-4x}{4} = \frac{-12}{4}$$

$$x = -3$$