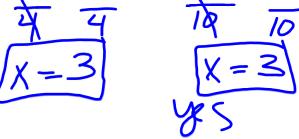
I can: Solve Equations

Assignment: 1.3

Are 
$$\frac{4x}{10x} = 12$$
 and  $\frac{10x}{10x} = 30$  equivalent?



Addition and multiplication principles

$$a = b$$
 then  $a + c = b + c$ 

$$3a + 5a^{2} - 7a + 1a^{2}$$

$$6a^{2} - 4a$$

$$3x + 2[4 + 5(x - 2y)]$$
 $3x + 2[4 + 5x - 10y]$ 
 $3x + 8 + 10x - 20y$ 
 $13x - 20y + 8$ 

$$-1(a - b) =$$
 $-a + b$ 
 $-3 \times +4$ 
 $-(3 \times -4)$ 

$$9x - 5y - 1(5x + y - 7)$$
  
 $9x - 5y - 6x - y + 7$   
 $-6y + 4x + 7$ 

$$5x - 2(x - 5) = 7x - 2$$

$$6x - 2x + 10 = 9x - 2$$

$$3x + 10 = 7x - 2$$

$$-7x - 7x$$

Identity: 
$$-x + 5 = 3 + x + 2$$
  
 $5 = 5$ 

Contradiction:  $\eta = \eta + 1$ 

Conditional: 3 - 8x = 5 - 7x