

# EQUATIONS

#### **2 variable terms on the SAME SIDE:**

Combine like terms

#### 2 variable terms on OPPOSITE SIDES:

•"Get rid" of one of them: add or subtract the x's on both sides the same way you do with regular numbers

### IF YOU KEEP STRUGGLING WITH THESE...

I am <u>always</u> going to go back to the picture. The pictures really help explain why you solve these the way you do!





Early finishers: Check your answer! How do I that?

$$4x = 2x + 18$$
  
-2x - 2x  
$$2x = 18$$
  
$$x = 9$$
  
Early finishers: Check your answer!







Early finishers: Check your answer!





**Early finishers: Check your answer!** 

# SOME FOR YOUR NOTES:

**SOLVE AND CHECK:** 

-3x + 31 = 2x + 6

#### SOME FOR YOUR NOTES...

# **SOLVE** 5x + 10 - 3x = 12 - 4x - 44







SOLVE:  

$$3 + 6$$
  
 $2(x - 4) = 4x + 8$   
 $z$   
 $\chi - 4 = 2x + 4$ 



FRACTIONS???

 $-\frac{4}{3} - \frac{3}{4}x = 27 - \frac{4}{3}$  (X = -28)

 $\frac{2}{5} \times -10 = 20$  $\frac{10}{50} + 10$  $\frac{2}{5} \cdot \frac{2}{5x} = 30 \cdot \frac{5}{5x}$ 



#### HOMEWORK

## Worksheet