

Solve for x and verify.

1. $4x - 7 = 5$

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

$$x = 3$$

LS	RS
$4x - 7$	5
$4(3) - 7$	
$12 - 7$	
5	

$LS = RS \therefore x = 3$

2. $3(2x + 5) = 7$

$$6x + 15 = 7$$

$$\frac{6x}{6} = \frac{-8}{6}$$

$$x = -\frac{4}{3}$$

LS	RS
$3(2x + 5)$	7
$6x + 15$	
$6(-\frac{4}{3}) + 15$	
$-\frac{24}{3} + 15$	
$-8 + 15$	
7	

$LS = RS \therefore x = -\frac{4}{3}$

3. $\frac{2x}{9} - 5 = 1$

$$(9) \frac{2x}{9} = 6(9)$$

$$\frac{2x}{2} = \frac{54}{2}$$

$$x = 27$$

LS	RS
$\frac{2x}{9} - 5$	1
$\frac{2(27) - 5}{9}$	
$6 - 5$	
1	

$LS = RS \therefore x = 27$

Homework

Continue to work on solving two-step equations. Monday in class is the last time to complete all 6 sheets.