

Unit 4 Assessment Review

1. $x = 4 - 8$

$x = -32$

2. $5 + \frac{3}{4}x = 6$

$\frac{3}{4}x = 1$
 $1 \div \frac{3}{4}$
 $1 \cdot \frac{4}{3}$

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

3. $-3x - 8 = 13$

$+8 +8$
 $-3x = 21$
 $-3 -3$

$x = -7$

4. $x - (-4) = 7$

$x + 4 = 7$
 $-4 -4$

$x = 3$

5. $8x - 3.4 = 12.6$

$+3.4 +3.4$
 $8x = 16.0$
 $8 8$

$x = 2$

6. $-3y = -24$

$-3 -3$

$y = 8$

6. $24 = 8 + 2r$

7. $50 = 28 + 2s$

8. Month Total Cost

1	1800	} +800
2	2600	
3	3400	
4	4200	

b. 1800, 2600, 3400, 4200, ... $cd = 800$

c. $1800 + 800(n-1)$ d. \$10,600

9.	$5(x-3) - 4x = -2x + 5x + 8$	Original
	$5x - 15 - 4x = -2x + 5x + 8$	Distributive
	$x - 15 = 3x + 8$	Combine like terms
	$x - 15 = 3x + 8$	Subtraction property of Equality
	$-3x \quad -3x$	
	$-2x - 15 = 8$	Combine like terms
	$-2x - 15 = 8$	Addition property of Equality
	$+15 \quad +15$	
	$-2x = 23$	Combine like terms
	$\frac{-2x}{2} = \frac{23}{-2}$	Division property of Equality
	$x = \frac{23}{-2}$	Solution

10. 1. Multiply by 3 2. Add 7 3. Divide by 5