

Name:

**ANSWERS!**

Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

## Lesson 6-7 Classwork

## No Calculators

1. Select all expressions that are equivalent to:  $-4(2 - 5b)$

↻

$$-8 + 20b$$

or

$$20b - 8$$

Keep  
Sign  
to  
the  
Left!

~~(a)~~  
 $-8 - 20b$

(b)  
 $-8 + 20b$

~~(c)~~  
 $-20b - 8$

~~(d)~~  
 $20b + 8$

(e)  
 $20b - 8$

2. Select all expressions that are equivalent to:  $20x - 24$

$$20x - 24$$

or

$$-24 + 20x$$

Keep  
Sign  
to  
the  
Left!

~~(a)~~  
 $-2(10x - 12)$

$-20x + 24$

(b)  
 $-4(6 - 5x)$   
 $-24 + 20x$

(c)  
 $-4(-5x + 6)$   
 $20x - 24$

(d)  
 $2(10x - 12)$   
 $20x - 24$

(e)  
 $-2(12 - 10x)$   
 $-24 + 20x$

3. Select all expressions that are equivalent to:  $-6(2 - n)$

↻

$$\begin{aligned} & -12 + 6n \\ & \text{or} \\ & 6n - 12 \end{aligned}$$

Keep Sign to the Left!

~~(a)~~  
 $12 + 6n$

~~(b)~~  
 $-12 - 6n$

(c)  
 $6n - 12$

(d)  
 $-12 + 6n$

~~(e)~~  
 $12 + 6n$

4. Select all expressions that are equivalent to:  $28x + 14$

$$\begin{aligned} & 28x + 14 \\ & \text{or} \\ & 14 + 28x \end{aligned}$$

Keep Sign to the Left!

(a)  
 $7(2 + 4x)$   
 $14 + 28x$

(b)  
 $-7(-4x - 2)$   
 $28x + 14$

(c)  
 $-2(-14x - 7)$   
 $28x + 14$

(d)  
 $2(14x + 7)$   
 $28x + 14$

(e)  
 $-2(-7 - 14x)$   
 $14 + 28x$

5. Select all expressions that are equivalent to:  $x + 5x + 7 - 4x - 8$

$x + 5x - 4x + 7 - 8$

$$\begin{aligned} & 2x - 1 \\ & \text{or} \\ & -1 + 2x \end{aligned}$$

Keep Sign to the Left!

~~(a)~~  
 $10x - 1$

(b)  
 $6x - 1 - 4x$   
 $2x - 1$

~~(c)~~  
 $-1 + 10x$

~~(d)~~  
 $-1 - 2x$

(e)  
 $2x - 1$