

Name:

Date:

Hour:

## 6.EE.A.3 Review for the Common Assessment Part I

**Standard 6.EE.3:** Apply the properties of operations to generate equivalent expressions.

- I can create **equivalent expressions** using the properties of operations (e.g. distributive property, associative property, adding like terms with the addition property or equality, etc.).
- I can apply the **properties of operations** to create equivalent expressions.

Combining Like Terms-what should I remember?

\* alphabetical order

\* same variable to combine

\* all constants are like terms

\* use addition or subtraction

\* same exponents to be combined

Which expression is equivalent to  $3(2r + 4s) - 7$

~~X~~  $18rs - 7$

✓  $6r + 12s - 7$

~~X~~  $6r + (4s) - 7$

$2r+4s + 2r+4s + 2r+4s - 7$   
 $6r+12s - 7$

Write an equivalent expression to  $k + k + k + k + 5 + k + 8$ :  $5k + 13$

The product of two factors is  $12n + 20$ . What are the factors?

- Find the GCF of 12 and 20. This is the number on the outside of the ( ).
- Divide 12 and 20 by that GCF, 4. These numbers go on the inside of the ( ).
- 4 ( 3  $n$  + 5 )

Try these!

The product of two factors is  $14y + 7$ .  
What are the factors?

7 ( 2  $y$  + 1 )

The product of two factors is  $15h + 25$ .  
What are the factors?

5 ( 3  $h$  + 5 )

Which examples correctly use the Distributive Property?

~~$4(2+9) = 28n + 63$~~

~~$5(4r + 7) = 20r + 12$~~

~~$10h(2+9) = 10h + 90h = 100h$~~

$3(3w + 12) = 9w + 36$

~~$4(8j + 3) = 12j + 7$~~

$6(3k + 2m) = 18k + 12m$