

7.1

Chapter 7 Test Review

Use the distributive property to write each expression.

$$\text{a.) } 7(y + 11)$$

$$7 \cdot y + 7 \cdot 11$$

$$7y + 77$$

$$\text{b.) } -2(d - 5)$$

$$-2 \cdot d + -2 \cdot -5$$

$$-2d + -10$$

$$-2d - 10$$

$$\text{c.) } 18(-q - 5)$$

$$18 \cdot -q + 18 \cdot -5$$

$$-18q + -90$$

$$-18q - 90$$

$$\text{d.) } -(7 - v)$$

$$-1(7 - v)$$

$$-1 \cdot 7 + -1 \cdot -v$$

$$-7 + v$$

7.1

Chapter 7 Test Review

Simplify each expression.

$$\text{a.) } -8q + 6 + 5q - 3$$

$$-3q + 3$$

$$\text{b.) } r + r + r + r + r$$

$$5r$$

$$\text{c.) } 4(y - 3) + 9 - 3y$$

$$4y - 12 + 9 - 3y$$

$$1y - 3$$

7.2 & 7.3

Chapter 7 Test Review

Add or subtract.

a.)  $(5x - 21) + (10x + 13)$   
 $15x + 34$

b.)  $(-3x - 1) + (-x - 9)$   
 $-4x - 10$

c.)  $(-7x) + (-3x - 5)$   
 $-10x - 5$

d.)  $(6x + 2) - (9x + 3)$

$(6x + 2) + (-9x - 3)$   
 $-3x - 1$

e.)  $(3x - 2) - (x - 2)$

$(3x - 2) + (-x + 2)$   
 $2x + 0$   
 $2x$

f.)  $(4x - 8) - (-3x + 10)$

$(4x - 8) + (3x - 10)$   
 $7x - 18$

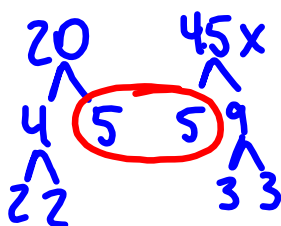
7.4

Chapter 7 Test Review

Find the GCF of each pair of monomials.

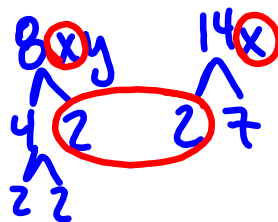
$33c$   
 $11c^3$

a.) 20 & 45x



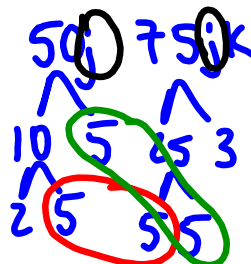
GCF: 5

b.) 8xy & 14x



GCF: 2x

c.) 50j & 75jk



GCF: 5 \* 5j

GCF: 25j

d.) 33c & 55cd



GCF: 11c

7.5

Chapter 7 Test Review

Use the distributive prop. to factor each  
~~Find the GCF of each pair of monomials.~~ Expression.

a.)  $4x + 12$

~~GCF: 4~~

$4(x + 3)$

b.)  $7 + 14x$

~~GCF: 7~~

$7(1 + 2x)$

c.)  $6x - 9$

~~GCF: 3~~

$3(2x - 3)$

d.)  $32x - 15$

~~GCF: 1~~

Cannot  
be  
factored