

## Chapter 5 Review

Evaluate each expression if  $a = 2$  and  $b = 8$ .

1.  $3a + 1$

1. \_\_\_\_\_

2.  $\frac{24}{b}$

2. \_\_\_\_\_

Describe the relationship between the terms in the arithmetic sequence. Then write the next three terms in each sequence.

3. 4, 9, 14, 19, ...

3. \_\_\_\_\_

4. 0, 14, 28, 42, ...

4. \_\_\_\_\_

5. **FISH** The table shows the cost of goldfish. How much will 6 goldfish cost?

Number of Fish	Cost (\$)
1	2.80
2	5.60
3	8.40
4	11.20

5. \_\_\_\_\_

Name the property shown by each statement.

6.  $4m \cdot 0 \cdot 3m = 0$

6. \_\_\_\_\_

7.  $5 + (a + 17) = (5 + a) + 17$

7. \_\_\_\_\_

Use the Distributive Property to rewrite each expression.

8.  $4(x + 7)$

8. \_\_\_\_\_

9.  $-5(y+10)$

9. \_\_\_\_\_

10. Write  $3x - 1 + 5x + 7$  in simplest form.

10. \_\_\_\_\_

11. Find  $(x + 1) + (x + 1)$ .

11. \_\_\_\_\_

12. Find  $(4x - 7) - (2x - 2)$

12. \_\_\_\_\_

Find the GCF of each pair of monomials.

13.  $3x, 12x$

13. \_\_\_\_\_

14.  $16a, 20ab$

14. \_\_\_\_\_

15.  $25cd, 10d$

15. \_\_\_\_\_

## Factoring & the Distributive Property

Factor the following expressions. For example  $5n + 20 = 5(n + 4)$

1)  $6x - 18 =$

2)  $12m + 4 =$

3)  $8v + 10 =$

4)  $20 + 16s =$

5)  $5 - 30x =$

6)  $24x + 18y =$

Complete the table

7)

Factored	Distributed	Simplified
	$4(3) + 4(2m)$	
		$12 - 18n$
$5(3w - 5)$		
		$8x + 14$
$7(2v + 3x)$		