

Name: _____

Period: _____ Date: _____

Evaluating Variable Expressions **Answers**

Section I. Evaluate the expression for the given value of the variable(s).

1. $-7x$ when $x = 6$

-42

2. $5 + k$ when $k = -12$

-7

3. $\frac{m}{8}$ when $m = -64$

-8

4. $9 - y$ when $y = -6$

15

5. h^2 when $h = 13$

169

6. $\frac{1}{5}w$ when $w = 35$

7

7. $\frac{72}{x}$ when $x = -9$

-8

8. a^2 when $a = \frac{1}{7}$

 $\frac{1}{49}$

9. $\frac{2}{3}f$ when $f = 27$

18

10. y^3 when $y = 4$

64

11. x^3 when $x = \frac{1}{2}$

 $\frac{1}{8}$

12. $|4g|$ when $g = -8$

32

13. $3k - j$ when $k = 4$ and $j = -7$

19

14. $6(g - h)$ when $g = 5$ and $h = 9$

-24

15. $x - 4y$ when $x = 8$ and $y = -3$

20

16. $|-3m| - n$ when $m = 7$ and $n = 36$

-15

17. $-5(p - 7) + q$ when $p = 4$ & $q = -9$

6

18. $(a - b)^2$ when $a = 11$ and $b = 3$

64