



Name: _____

Date: _____

Unit 1 – Evaluating an Expression

Evaluate each expression for the given values.

1. $4x^2 + 4x + 2$; $x = 5$

2. $3x^2 + 5x + 7$; $x = 6$

3. $\frac{4x + 12}{4}$; $x = 6$

4. $1x^2 + 7x + 4$; $x = 4$

5. $2x^2 + 6x + 8$; $x = 4$

6. $\frac{2x + 22}{4}$; $x = 5$

7. $\frac{3x + 3}{3}$; $x = 2$

8. $2x + 3y$; $x = 6$, $y = 7$

9. $1x^2 + 8x + 5$; $x = 5$

10. $3x + 6y$; $x = 7$, $y = 5$



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Unit 1 – Evaluating an Expression

Evaluate each expression for the given values.

11. $\frac{2x + 20}{4}$; $x = 6$

12. $2x^2 + 5x + 5$; $x = 5$

13. $2x + 4y$; $x = 3$, $y = 4$

14. $3x + 4y$; $x = 6$, $y = 4$

15. $4x^2 + 8x + 6$; $x = 5$

16. $3x^2 + 2x + 5$; $x = 6$



Unit 1 – Evaluating an Expression – Answer Key

1. $4x^2 + 4x + 2; x = 5$
122

2. $3x^2 + 5x + 7; x = 6$
145

3. $\frac{4x + 12}{4}; x = 6$
9

4. $1x^2 + 7x + 4; x = 4$
48

5. $2x^2 + 6x + 8; x = 4$
64

6. $\frac{2x + 22}{4}; x = 5$
8

7. $\frac{3x + 3}{3}; x = 2$
3

8. $2x + 3y; x = 6, y = 7$
33

9. $1x^2 + 8x + 5; x = 5$
70

10. $3x + 6y; x = 7, y = 5$
51



Unit 1 – Evaluating an Expression – Answer Key

11. $\frac{2x + 20}{4}$; $x = 6$
8

12. $2x^2 + 5x + 5$; $x = 5$
80

13. $2x + 4y$; $x = 3$, $y = 4$
22

14. $3x + 4y$; $x = 6$, $y = 4$
34

15. $4x^2 + 8x + 6$; $x = 5$
146

16. $3x^2 + 2x + 5$; $x = 6$
125