



Name: _____

Date: _____

Unit 1 – Substitution of Variables

Substitute the given values for each variable.

1. $3n + 1$; $n = 8$

2. $4(y + 5)$; $y = 6$

3. $4(n + 4)$; $n = 5$

4. a^2 ; $a = 6$

5. $2(a + 5)$; $a = 7$

6. $2n + 8$; $n = 12$

7. y^2 ; $y = 5$

8. x^2 ; $x = 6$

9. y^2 ; $y = 7$

10. $6(n + 1)$; $n = 4$



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Unit 1 – Substitution of Variables

Substitute the given values for each variable.

11. a^2 ; $a = 3$

12. a^2 ; $a = 2$

13. $8y + 3$; $y = 5$

14. $4(y + 4)$; $y = 7$

15. x^2 ; $x = 5$

16. $8n + 9$; $n = 4$



Unit 1 – Substitution of Variables – Answer Key

1. $3n + 1$; $n = 8$

25

2. $4(y + 5)$; $y = 6$

44

3. $4(n + 4)$; $n = 5$

36

4. a^2 ; $a = 6$

36

5. $2(a + 5)$; $a = 7$

24

6. $2n + 8$; $n = 12$

32

7. y^2 ; $y = 5$

25

8. x^2 ; $x = 6$

36

9. y^2 ; $y = 7$

49

10. $6(n + 1)$; $n = 4$

30



Unit 1 – Substitution of Variables – Answer Key

11. a^2 ; $a = 3$

9

12. a^2 ; $a = 2$

4

13. $8y + 3$; $y = 5$

43

14. $4(y + 4)$; $y = 7$

44

15. x^2 ; $x = 5$

25

16. $8n + 9$; $n = 4$

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