



Name: _____

Date: _____

Algebra 1 – Unit 1 – Substitution of Variables (Medium)

1. $5(y + 1)$ when $y = 9$ n^2 when $n = 2$

2. x^2 when $x = 6$ 7. $3(n + 8)$ when $n = 6$

3. $4(y + 8)$ when $y = 8$ $3(y + 3)$ when $y = 7$

4. $5x + 2$ when $x = 1$ $5(n + 6)$ when $n = 2$

5. a^2 when $a = 2$ 10. $4n + 4$ when $n = 12$



Algebra 1 – Unit 1 – Substitution of Variables (Medium) – Answer Key

1. $5(y + 1)$ when $y = 9$ 2. n^2 when $n = 2$
 $x = 50$ $x = 4$

2. x^2 when $x = 6$ 7. $3(n + 8)$ when $n = 6$
 $x = 36$ $x = 42$

3. $4(y + 8)$ when $y = 8$ 8. $3(y + 3)$ when $y = 7$
 $x = 68$ $x = 30$

4. $5x + 2$ when $x = 11$ 9. $5(n + 6)$ when $n = 2$
 $x = 57$ $x = 40$

5. a^2 when $a = 2$ 10. $4n + 4$ when $n = 12$
 $x = 4$ $x = 52$