



Name: \_\_\_\_\_

Date: \_\_\_\_\_

Fresh  
Math

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

1. Substitute:  $5(y + 1)$  when  $y = 8$ . Substitute:  $n^2$  when  $n = 2$

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

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

4. Substitute:  $5x + 2$  when  $x = 19$ . Substitute:  $5(n + 6)$  when  $n = 2$

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



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

1.  $5(y + 1)$  when  $y = 8$ .  $n^2$  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  $x = 19$ .  $5(n + 6)$  when  $n = 2$   
 $x = 57$   $x = 40$

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