



Name: _____

Date: _____

Fresh
Math

Substitution of Variables

1. $7x$ when $x = 9$ 6. $7a$ when $a = 1$

2. $x + 3$ when $x = 10$ 7. $7n$ when $n = 10$

3. a when $a = 3$ 8. a when $a = 5$

4. $n + 8$ when $n = 1$ 9. x when $x = 8$

5. $x + 1$ when $x = 6$ 10. $n + 7$ when $n = 10$



Substitution of Variables – Answer Key

1. $7x$ when $x = 9$
 $x = 63$ 6. $7a$ when $a = 1$
 $x = 7$

2. $x + 3$ when $x = 10$
 $x = 13$ 7. $7n$ when $n = 10$
 $x = 70$

3. a when $a = 3$
 $x = 3$ 8. a when $a = 5$
 $x = 5$

4. $n + 8$ when $n = 1$ 9. x when $x = 8$
 $x = 9$ **$x = 8$**

5. $x + 1$ when $x = 6$ 10. $n + 7$ when $n = 10$
 $x = 7$ **$x = 17$**