Fresh Math

Substitution of Variables

1. text{Substitute: } 3(a + 2) text{ when } a = 6   6. text{Substitute: } a^2 text{ when } a = 8

2. text{Substitute: } 3n + 10 text{ when } n = 7   7. text{Substitute: } 2x + 9 text{ when } x = 12

3. text{Substitute: } 5a + 2 text{ when } a = 12   8. text{Substitute: } 3(y + 8) text{ when } y = 12

4. text{Substitute: } n^2 text{ when } n = 4   9. text{Substitute: } 6(a + 8) text{ when } a = 7

5. text{Substitute: } 7x + 3 text{ when } x = 5   10. text{Substitute: } x^2 text{ when } x = 2

Substitution of Variables - Answer Key

1. text{Substitute: } 3(a + 2) text{ when } a = 8
   x = 30

6. text{Substitute: } a^2 text{ when } a = 8
   x = 64

2. text{Substitute: } 3n + 10 text{ when } n = 7
   x = 31

7. text{Substitute: } 2x + 9 text{ when } x = 12
   x = 33

3. text{Substitute: } 5a + 2 text{ when } a = 12
   x = 62

8. text{Substitute: } 3(y + 8) text{ when } y = 12
   x = 60

4. text{Substitute: } n^2 text{ when } n = 4
   x = 16

9. text{Substitute: } 6(a + 8) text{ when } a = 7
   x = 90

5. text{Substitute: } 7x + 3 text{ when } x = 5
   x = 38

10. text{Substitute: } x^2 text{ when } x = 2
   x = 4