

Substitution into Expressions

$$x = 3 \quad y = \frac{1}{2} \quad z = -5$$

Find the value of the following expressions:

1. $x + 4$

2. $x - 4$

3. $4x$

4. $4x + y$

5. $4x + 2y$

6. $4x - 2y$

7. $2y - 4x$

8. $2y + z$

9. $3x + z$

10. $3x - z$

11. $2z$

12. $-2z$

13. $-2z - x$

14. $-2z - x - y$

15. $2(-2z - x - y)$

16. $2(2z + x + y)$

17. $\frac{2z+x+y}{2}$

18. $\frac{y+x+2z}{2}$

19. $\frac{y+x-2z}{2}$

20. $y + x - \left(\frac{2z}{2}\right)$

Substitution into Expressions: ANSWERS

$$x = 3 \quad y = \frac{1}{2} \quad z = -5$$

Find the value of the following expressions:

1. 7

2. -1

3. 12

4. $12\frac{1}{2}$

5. 13

6. 11

7. -11

8. -4

9. 4

10. 14

11. -10

12. 10

13. 7

14. $6\frac{1}{2}$

15. 13

16. -13

17. $-\frac{13}{4}$

18. $-\frac{13}{4}$

19. $\frac{13}{4}$

20. $\frac{17}{2}$