

Math 1

Determine the range value for each expression and the given domain value.

1. Evaluate $x + 7$ for $x = -10$

2. Evaluate $-(x - 6)$ for $x = -3$

3. Evaluate $-(x + 7)$ for $x = 17$

4. Evaluate $15x + 4$ for $x = 2$

5. Evaluate $x^2 - 4x + 8$ for $x = 5$

6. Evaluate $x^3 + x^2 + x$ for $x = -3$

7. Evaluate $10(x^2 + x)$ for $x = -4$

8. Evaluate $x(x^2 - 1)$ for $x = 11$

9. Evaluate $\frac{3x + 4}{x}$ for $x = 2$

10. Evaluate $\frac{4x}{10 - 2x}$ for $x = -1$

11. Evaluate $\frac{x + 1}{x - 1}$ for $x = 3$

12. Evaluate $\frac{x - 4}{x + 4}$ for $x = -8$

13. Evaluate $-2|-6x|$ for $x = 5$

14. Evaluate $3|x - 11|$ for $x = 8$

15. Evaluate $-5|x + 1|$ for $x = -11$

16. Evaluate $x - |x|$ for $x = -10$