

# QUOTABLE PUZZLES

## Relations and Functions A.7e

**Directions:** Solve the following problems. Match that answer to the correct letter of the alphabet. Enter that letter of the alphabet on the blank corresponding to the problem number.

15 12 4 2 9 8 14 4 10      3 1 10 10      9 11 7

10 9 6 1 8 5 11 9      13 8 4 7      9 7 10 9

**A**      **B**      **C**      **D**      **E**      **F**      **G**      **H**      **I**      **J**      **K**      **L**      **M**  
**9**      **0**      **-1**      **-16**      **18**      **16**      **-2**      **-4**      **3**      **2**      **-9**      **1**      **-3**

**N**      **O**      **P**      **Q**      **R**      **S**      **T**      **U**      **V**      **W**      **X**      **Y**      **Z**  
**-7**      **4**      **5**      **7**      **8**      **23**      **-5**      **-8**      **15**      **-23**      **11**      **42**      **-18**

**Simplify:**

- |                               |                |                                 |                |
|-------------------------------|----------------|---------------------------------|----------------|
| 1. $f(x) = 2x - 1$            | Find $f(5)$ .  | 9. $f(x) = x^3 - 2x - 1$        | Find $f(-2)$ . |
| 2. $f(x) = x^2 - 3x - 1$      | Find $f(3)$ .  | 10. $f(x) = x^4 + 2x^2 - 1$     | Find $f(2)$ .  |
| 3. $f(x) = 2x + 5$            | Find $f(0)$ .  | 11. $f(x) = -4x - 8$            | Find $f(-1)$ . |
| 4. $f(x) = -2x^2 - 5$         | Find $f(-1)$ . | 12. $f(x) = 2x - 10$            | Find $f(1)$ .  |
| 5. $f(x) = x + 5$             | Find $f(-7)$ . | 13. $f(x) = x^3 - 2x^2 + x + 5$ | Find $f(-1)$ . |
| 6. $f(x) = 6x^2 + 2x$         | Find $f(1)$ .  | 14. $f(x) = x^2 - 21$           | Find $f(5)$ .  |
| 7. $f(x) = \frac{1}{4}x + 2x$ | Find $f(8)$ .  | 15. $f(x) = (x - 2)^2$          | Find $f(-2)$ . |
| 8. $f(x) = 4x - 5$            | Find $f(2)$ .  |                                 |                |