

QUOTABLE PUZZLE

Expressions and Operations A.2b

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.

3 5 9 2 7 11 6 7 8 9 5 10 10 8 9 1 4 2 7

A **B** **C** **D** **E** **F** **G** **H** **I**
 $3x^2 + 2x - 1$ $x^2 + 3$ $2x^2 - 12$ $x^2 - 78$ $x^2 + 9x - 36$ $x^2 + 7x - 78$ $3x^2 - 1$ $x^2 - 36$ $x^2 - 12x + 36$

J **K** **L** **M** **N** **O** **P** **Q** **R**
 $x^2 + 36$ $20x^2 - 36$ $x^2 + 4x + 3$ $x^2 + 36$ $x^2 - 16$ $x^2 + 10x + 25$ $2x^2 - 25$ $2x^2 + 25$ $2x^2 - 5x - 25$

S **T** **U** **V** **W** **X** **Y** **Z**
 $2x^2 + 5x - 12$ $20^2 - 63x + 36$ $x^2 - 9x - 36$ $x^2 + 25$ $x^2 + 16$ $2x^2 - 5x + 12$ $3x^2 + 1$ **0**

1. $(x + 3)(x + 1)$

7. $(4x - 3)(5x - 12)$

2. $(2x - 3)(x + 4)$

8. $(x - 3)(x + 12)$

3. $(x + 13)(x - 6)$

9. $(2x + 5)(x - 5)$

4. $(3x - 1)(x + 1)$

10. $(x - 4)(x + 4)$

5. $(x - 6)^2$

11. $(x + 5)^2$

6. $(x - 12)(x + 3)$