

SWEET SIXTEEN

Sixteen is the answer true.

What's the question is up to you!



$$\begin{array}{ccccccc} \overline{2} & \overline{11} & \overline{6} & & \overline{15} & \overline{10} & \overline{1} & \overline{13} & & \overline{9} & \overline{14} & \overline{15} & \overline{3} & \overline{16} \\ \\ \overline{14} & \overline{16} & & \overline{9} & \overline{2} & \overline{3} & & \overline{1} & \overline{4} & \overline{15} & \overline{3} & \overline{12} & \overline{10} & \overline{8} \\ \\ \overline{11} & \overline{12} & & \overline{1} & \overline{4} & \overline{15} & \overline{7} & \overline{3} & \overline{12} & & \overline{11} & \overline{1} & \overline{3} \\ \\ & & & \overline{11} & \overline{1} & & \overline{10} & & \overline{11} & \overline{1} & \overline{3} \\ \\ \overline{5} & \overline{11} & \overline{8} & \overline{8} & \overline{10} & \overline{12} & & \overline{7} & \overline{14} & \overline{8} & \overline{8} & & & ? \end{array}$$



Solve each problem. Write the letter of the problem in the space above the number of the answer. Some letters are used more than once.

- Y) $(2x + 3) + (5x + 7)$
- M) $(5a - 2b + 6c) + (-3a - 5b + 9c) + (4a + 2b - 5c)$
- D) $(5a + 3) + (4a - 4)$
- E) $(3x - 5) - (7x + 2)$
- T) $(11x - 4) + (-6x - 12)$
- B) $(x - 2y) - (3x - 5y)$
- A) $(x^2 - 3x + 9) + (x^2 - 12x + 1)$
- S) $(9a + \frac{1}{4}) - (-3a - \frac{1}{2})$
- N) $(4x - 3y + 7z) + (2x + 3y - 5z)$
- O) $(x^2 - 5x + 6) - (x^2 + 2x - 3)$
- W) $(2x - 4y) + (7x + 2y) + (-3x + 5y)$
- U) $(x^2 - y^2) - (x^2 + y^2)$
- H) $(-x^2 - 2x + 7) + (2x^2 - 5x + 1)$
- L) $(7a^2 + 2a + 7) - (2a^2 - 5a + 6)$
- R) $(2x^2 + 7x - 2) + (5x^2 - 3x + 9)$
- I) $(3x^2 - 5x + 6) - (-x^2 - 4x + 1)$

ANSWERS

- 1) $6x + 2z$
- 2) $x^2 - 7x + 8$
- 3) $-4x - 7$
- 4) $-2y^2$
- 5) $9a - 1$
- 6) $6x + 3y$
- 7) $-2x + 3y$
- 8) $5a^2 + 7a + 1$
- 9) $5x - 16$
- 10) $2x^2 - 15x + 10$
- 11) $-7x + 9$
- 12) $7x^2 + 4x + 7$
- 13) $7x + 10$
- 14) $4x^2 - x + 5$
- 15) $6a - 5b + 10c$
- 16) $12a + \frac{3}{4}$