

# 7.1 Puzzle Time

## How Does A Flea Travel So Fast?

Write the letter of each answer in the box containing the exercise number.

**Find the sum or difference.**

1.  $(6x + 5) + (-3x + 7)$
2.  $(-9x - 13) + (8x + 3)$
3.  $(2x - 8) - (4x - 2)$
4.  $(5x + 8) - (6x + 2)$
5.  $(3x^2 - 6x - 7) + (-2x^2 - 4x + 12)$
6.  $(-x^2 - 5x + 8) - (4x^2 - 7x - 10)$
7.  $(6x^2 - 3x + 10) - (-6x^2 + 11x + 9)$
8.  $(-13x^3 + 15x^2 - 12x) + (-x^3 - 4x^2 - 15x + 1)$
9.  $(7x^3 - x + 14) - (2x^2 - 19)$
10.  $(8x - 3x^3 - 5) + (4x^3 - 6x^2 + 11)$
11.  $(-5x - 16) - (-3x^3 + 2x^2 + 9x)$

12. The amount of merchandise (in millions) that store *A* sold can be represented by  $A = 13x^2 + 8x - 3$ . The amount of merchandise (in millions) that store *B* sold can be represented by  $B = 8x^2 - 3x + 11$ . Find the total amount of merchandise that stores *A* and *B* sold.

**Answers**

- Y.**  $-x - 10$
- H.**  $x^3 - 6x^2 + 8x + 6$
- C.**  $-5x^2 + 2x + 18$
- I.**  $3x + 12$
- G.**  $-14x^3 + 11x^2 - 27x + 1$
- B.**  $x^2 - 10x + 5$
- I.**  $7x^3 - 2x^2 - x + 33$
- K.**  $12x^2 - 14x + 1$
- N.**  $-2x - 6$
- H.**  $21x^2 + 5x + 8$
- T.**  $3x^3 - 2x^2 - 14x - 16$
- I.**  $-x + 6$

5	2		9	11	6	12	-	10	1	7	4	3	8
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