



# Math on the Fly!

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

## Adding Polynomials

Simplify each expression below.

1.  $(2x^2 + 5x + 3) + (x^2 + 4x + 7)$

2.  $(7x^2 - 9x + 6) + (-2x^2 - x - 5)$

3.  $(-8x^2 + 3x - 1) + (-3x^2 + 4x + 9)$

4.  $(x^3 - 2x^2 - 7x) + (2x^2 - 5x - 6)$

5.  $(-7x^2 + 13) + (-x^3 + 8x^2 + 3x)$

6.  $(4x^3 - x + 8) + (6x^3 + 5x^2 - 7x + 1)$

7.  $2(9x^2 + 5x - 10) + 4(x^2 + x + 8)$

8.  $3(x^3 + 6) + 5(7x - 2x^2) + 6(x^2 - x^3 - 3)$

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## SOLUTIONS

1.  $3x^2 + 9x + 10$

2.  $5x^2 - 10x + 1$

3.  $-11x^2 + 7x + 8$

4.  $x^3 - 12x - 6$

5.  $-x^3 + x^2 + 3x + 13$

6.  $10x^3 + 5x^2 - 8x + 9$

7.  $22x^2 + 14x + 12$

8.  $-3x^3 - 4x^2 + 35x$