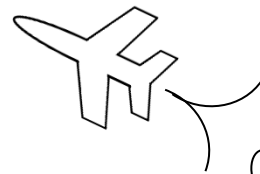


Math on the Fly!



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

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