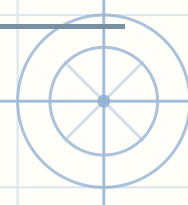


Polynomials — Numbers within 20

Name: _____

Date: _____



Work each one out. Write the x^2 term, the x term and the number.

1 $(6x^2 + 8x + 3) - (4x^2 - 7x + 2) = \underline{\hspace{1cm}}x^2 + \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

2 $(2x + 1)(x + 5) = \underline{\hspace{1cm}}x^2 + \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

3 $(8x^2 + 6x + 10) - (6x^2 - 9x + 2) = \underline{\hspace{1cm}}x^2 + \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

4 $(4x^2 + 7x + 9) + (3x^2 + 6x + 3) = \underline{\hspace{1cm}}x^2 + \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

5 $(x^2 + 7x + 7) + (3x^2 + 3x + 7) = \underline{\hspace{1cm}}x^2 + \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

6 $(x + 5)(x + 4) = \underline{\hspace{1cm}}x^2 + \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

7 $(3x^2 + 9x + 5) + (2x^2 + 8x + 9) = \underline{\hspace{1cm}}x^2 + \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

8 $(9x^2 + 5x + 7) - (5x^2 - 3x + 6) = \underline{\hspace{1cm}}x^2 + \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$



Polynomials · Numbers within 20 — Answer key

1. $(6x^2 + 8x + 3) - (4x^2 - 7x + 2) \rightarrow 2x^2 + 15x + 1$

2. $(2x + 1)(x + 5) \rightarrow 2x^2 + 11x + 5$

3. $(8x^2 + 6x + 10) - (6x^2 - 9x + 2) \rightarrow 2x^2 + 15x + 8$

4. $(4x^2 + 7x + 9) + (3x^2 + 6x + 3) \rightarrow 7x^2 + 13x + 12$

5. $(x^2 + 7x + 7) + (3x^2 + 3x + 7) \rightarrow 4x^2 + 10x + 14$

6. $(x + 5)(x + 4) \rightarrow 1x^2 + 9x + 20$

7. $(3x^2 + 9x + 5) + (2x^2 + 8x + 9) \rightarrow 5x^2 + 17x + 14$

8. $(9x^2 + 5x + 7) - (5x^2 - 3x + 6) \rightarrow 4x^2 + 8x + 1$

