

Algebra Tile Binomial Products

Question	Algebra Tile Shape	Binomials (Dimensions)	Polynomial Area
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Question	Algebra Tile Shape	Binomials (Dimensions)	Polynomial Area
11			
12			

What type of binomial factor pairs form tile shapes that are rectangles that are not squares?

What type of binomial factor pairs form tile shapes that are squares?

Use algebra tiles to illustrate the binomial products. Draw those tile diagrams on these pages. List the areas on the blanks.

1. $(x + 3)(x + 2)$ _____

2. $(x + 2)(2x + 3)$ _____

3. $(3x + 2)(x + 3)$ _____

4. $(2x + 3)^2$ _____

5. $(2x + 3)(2x - 3)$ _____

6. $(2x - 4)(3x - 2)$ _____

7. $(5x - 1)(x + 3)$ _____

8. $(4x + 3)(2x - 3)$ _____

9. $(3x + 3)(3x - 3)$ _____

10. $(3x - 3)^2$ _____

11. $(5x - 1)(x - 3)$ _____

12. $(2x + 5)(2x - 5)$ _____

ALGEBRA TILES: Draw the following products. Include the answer and classify each as either a typical trinomial; DOTS; or trinomial square. (Make sure your drawing is as close to perfect as you are capable of!!)

13. $(3x + 2)(x + 2)$

ANSWER: _____

CLASSIFICATION: _____

14. $(3x - 4)(x + 3)$

ANSWER: _____

CLASSIFICATION: _____

15. $(2x - 1)(2x + 1)$

ANSWER: _____

CLASSIFICATION: _____

16. $(3x + 2)(3x + 2)$

ANSWER: _____

CLASSIFICATION: _____