

Make a Square

Build each trinomial with the Lab Gear blocks. Arrange the blocks into a square. Complete the equation $area = side^2$. Some of the trinomials cannot be made into a square.

1. $x^2 + 2x + 1 =$ _____

2. $4x^2 + 8x + 4 =$ _____

3. $4x^2 + 6x + 4 =$ _____

4. $x^2 + 12x + 36 =$ _____

5. $x^2 + 4x + 4 =$ _____

6. $3x^2 + 6x + 1 =$ _____

7. $x^2 + 10x + 20 =$ _____

8. $x^2 + 2xy + y^2 =$ _____

9. In those cases where you were able to make a square, describe how the following blocks were arranged.

a. the x^2 -blocks _____

b. the yellow blocks _____

c. the x -blocks _____

10. List the polynomials above that could not be made into a square. Explain what was wrong with each of them.
