

LESSON

Algebra Lab Recording Sheet p. 644**9-8****Model Completing the Square****Try This**

Use algebra tiles to model each expression. Add unit tiles to complete a perfect-square trinomial. Then write the new expression in factored form.

1. $x^2 + 4x$

Model	Algebra

2. $x^2 + 2x$

Model	Algebra

3. $x^2 + 10$

Model	Algebra

4. $x^2 + 8x$

Model	Algebra

5. **Make a Conjecture** Examine the pattern in Problems 1–4. How many unit tiles would you have to add to make $x^2 + 12x$ a perfect-square trinomial?
