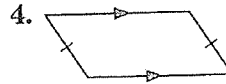
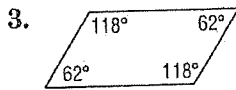
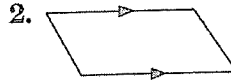
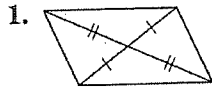


8-3 Practice

Tests for Parallelograms

Determine whether each quadrilateral is a parallelogram. Justify your answer.

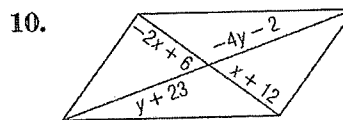
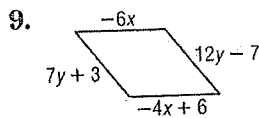
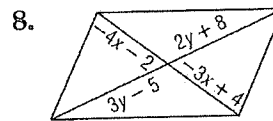
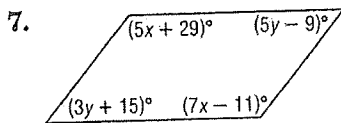


COORDINATE GEOMETRY Determine whether a figure with the given vertices is a parallelogram. Use the method indicated.

5. $P(-5, 1)$, $S(-2, 2)$, $F(-1, -3)$, $T(2, -2)$; Slope Formula

6. $R(-2, 5)$, $O(1, 3)$, $M(-3, -4)$, $Y(-6, -2)$; Distance and Slope Formula

ALGEBRA Find x and y so that each quadrilateral is a parallelogram.



11. **TILE DESIGN** The pattern shown in the figure is to consist of congruent parallelograms. How can the designer be certain that the shapes are parallelograms?

