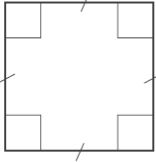
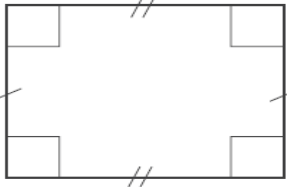
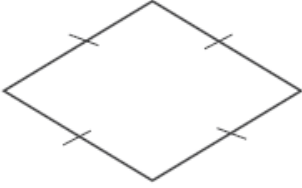
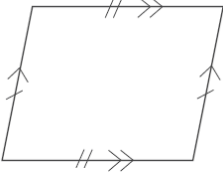
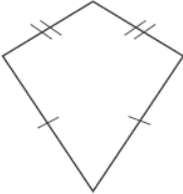
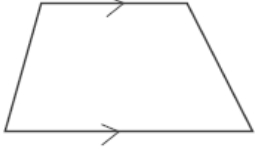


Topic: Properties of Polygons

| Topic/Skill | Definition/Tips | Example |
|------------------|--|---|
| 1. Square | <ul style="list-style-type: none"> • Four equal sides • Four right angles • Opposite sides parallel • Diagonals bisect each other at right angles • Four lines of symmetry • Rotational symmetry of order four |  |
| 2. Rectangle | <ul style="list-style-type: none"> • Two pairs of equal sides • Four right angles • Opposite sides parallel • Diagonals bisect each other, not at right angles • Two lines of symmetry • Rotational symmetry of order two |  |
| 3. Rhombus | <ul style="list-style-type: none"> • Four equal sides • Diagonally opposite angles are equal • Opposite sides parallel • Diagonals bisect each other at right angles • Two lines of symmetry • Rotational symmetry of order two |  |
| 4. Parallelogram | <ul style="list-style-type: none"> • Two pairs of equal sides • Diagonally opposite angles are equal • Opposite sides parallel • Diagonals bisect each other, not at right angles • No lines of symmetry • Rotational symmetry of order two |  |
| 5. Kite | <ul style="list-style-type: none"> • Two pairs of adjacent sides of equal length • One pair of diagonally opposite angles are equal (where different length sides meet) • Diagonals intersect at right angles, but do not bisect • One line of symmetry • No rotational symmetry |  |
| 6. Trapezium | <ul style="list-style-type: none"> • One pair of parallel sides • No lines of symmetry • No rotational symmetry <p>Special Case: Isosceles Trapeziums have one line of symmetry.</p> |  |