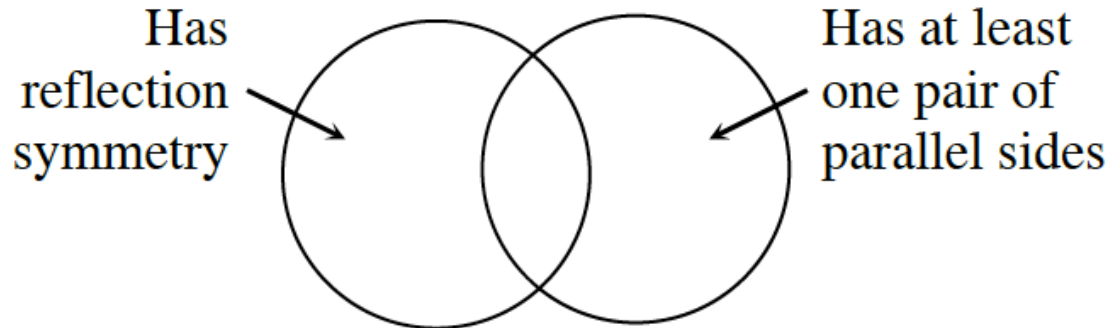


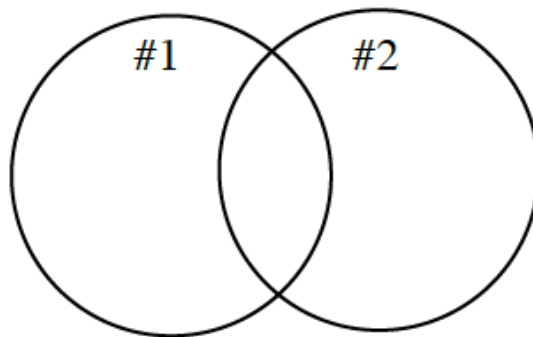
Place all of the shapes in the shape bucket in the appropriate place in the Venn diagrams below:

1.



2.

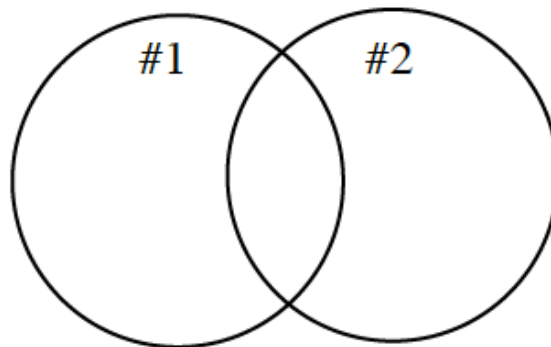
**#1: Has at least one pair of parallel sides**



**#2: Has at least two sides of equal length**

3.

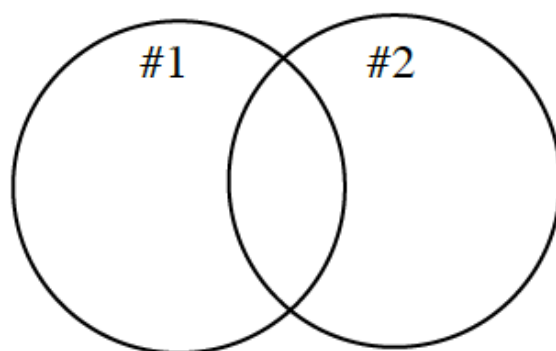
**#1: Has only three sides**



**#2: Has a right angle**

4.

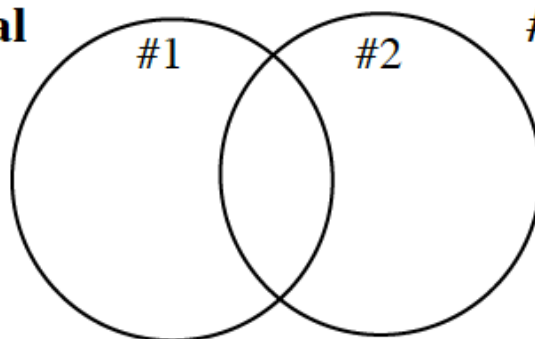
**#1: Has reflection symmetry**



**#2: Has 180° rotation symmetry**

5.

**#1: Quadrilateral**



**#2: Equilateral**

Answers:

1. Left Only: Equilateral Triangle, Acute Isosceles Triangle, Obtuse Isosceles Triangle, Kite, Isosceles Right Triangle, Regular Pentagon, Circle INTERSECTION: Square, Rectangle, Rhombus, Regular Hexagon RIGHT ONLY: trapezoid, parallelogram OUTSIDE BOTH REGIONS: quadrilateral, obtuse scalene triangle, scalene right triangle

2. LEFT ONLY: trapezoid; INTERSECTION: regular hexagon, parallelogram, square, rhombus, rectangle; RIGHT ONLY: isosceles triangles (3), equilateral triangle, regular pentagon, kite; OUTSIDE BOTH REGIONS: circle, quadrilateral, scalene right triangle, obtuse scalene triangle

3. LEFT ONLY: obtuse scalene triangle, equilateral triangle, acute isosceles triangle, obtuse isosceles triangle; INTERSECTION: scalene right triangle, isosceles right triangle; RIGHT ONLY: square, rectangle; OUTSIDE BOTH REGIONS: regular hexagon, circle, quadrilateral, trapezoid, regular pentagon, kite, parallelogram, rhombus

4. LEFT ONLY: equilateral triangle, regular pentagon, isosceles triangles (3), kite; INTERSECTION: regular hexagon, square, rhombus, rectangle, circle; RIGHT ONLY: parallelogram; OUTSIDE BOTH REGIONS: quadrilateral, scalene right triangle, obtuse scalene triangle, trapezoid

5. IN CIRCLE #1 ONLY: rectangle, parallelogram, trapezoid, quadrilateral, kite. IN CIRCLE #2 ONLY: equilateral triangle, pentagon, hexagon. IN BOTH: square, rhombus. IN NEITHER: isosceles acute, right and obtuse triangles, scalene obtuse and right triangles, semicircle, circle.