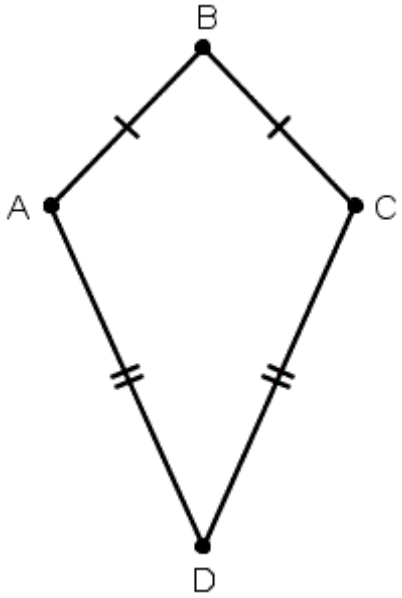
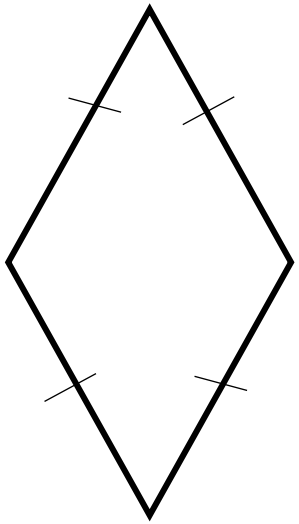
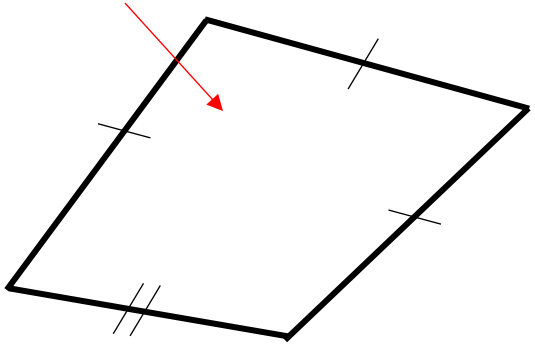
More Quadrilaterals:

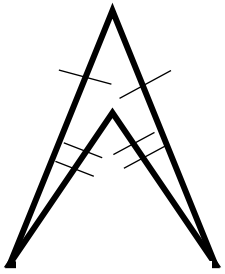
Kite: A quadrilateral with two non-overlapping pairs of adjacent sides that are the same length.



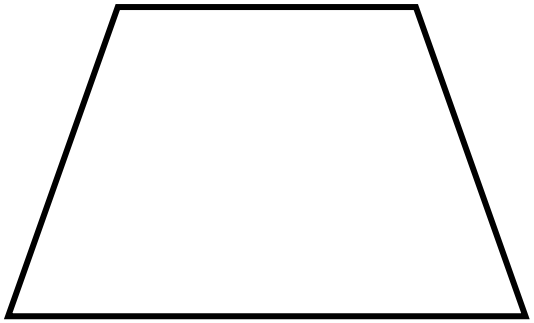


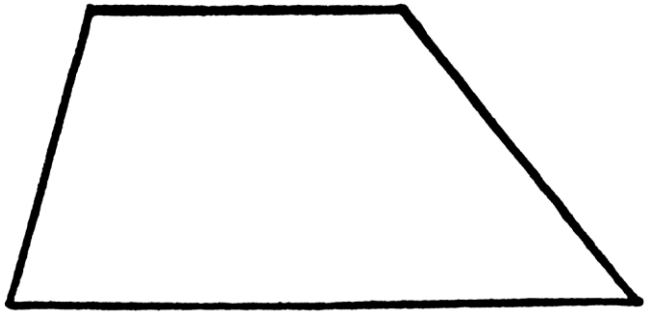
This one is not a kite.
Although it has two pairs adjacent sides of the same length, the pairs overlap.

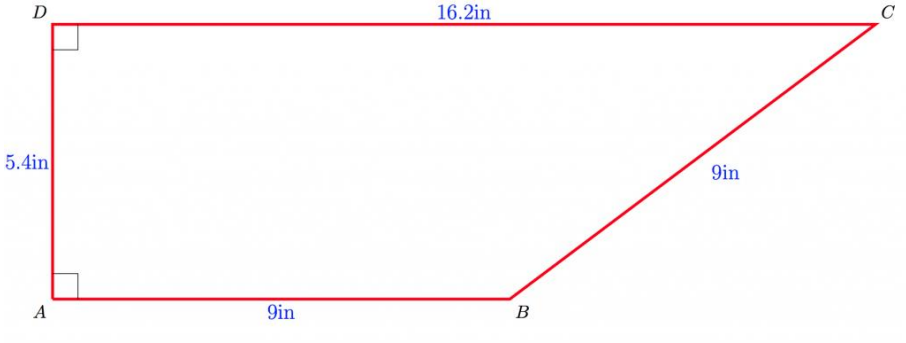




Trapezoid: A quadrilateral with exactly one pair of parallel sides.

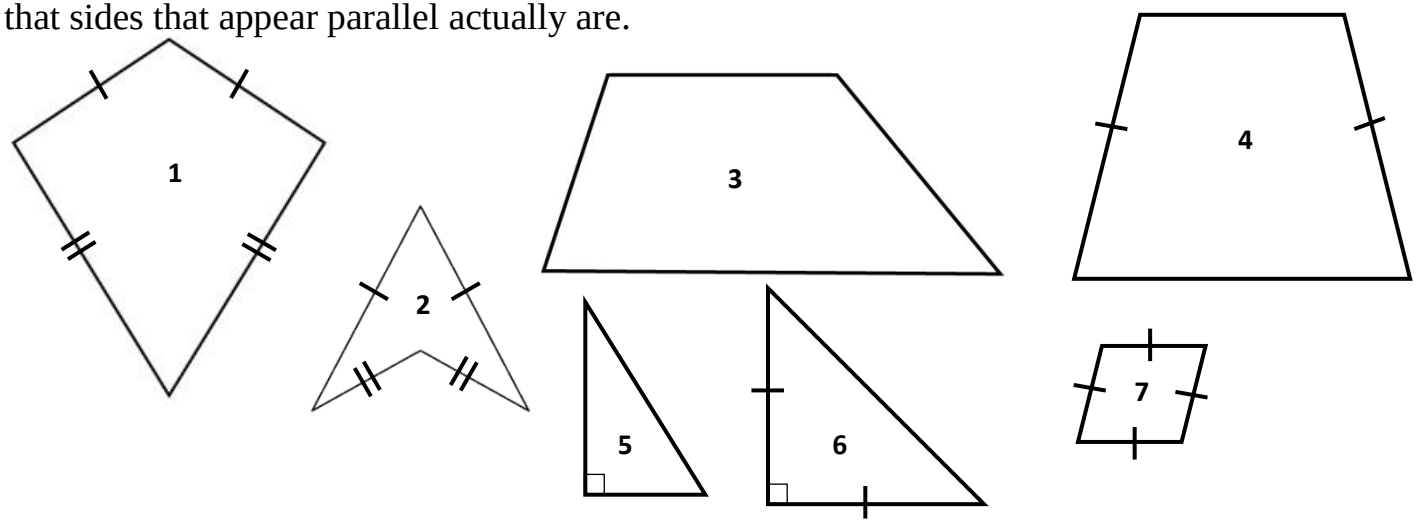






Isosceles trapezoid: A quadrilateral with exactly one pair of parallel sides and the remaining sides are the same length.

Here is a variety of shapes. Sides in a shape with the same length are indicated. Right angles are indicated. Assume that sides that appear parallel actually are.



1) Which shapes are parallelograms?

7

2) Which shapes are rhombi?

7

3) Which shapes are trapezoids?

3,4

4) Which shapes are kites?

1,2

5) Which shapes are right triangles?

5,6

6) Which shapes are scalene triangles?

5

7) Which shapes are isosceles trapezoids?

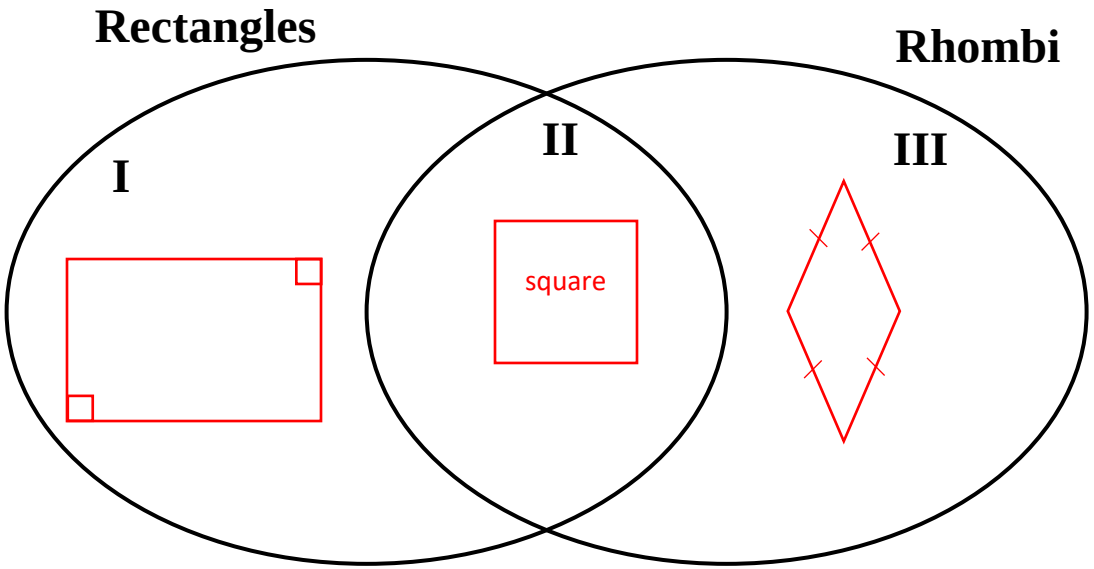
4

8) Which shapes are isoceles triangles?

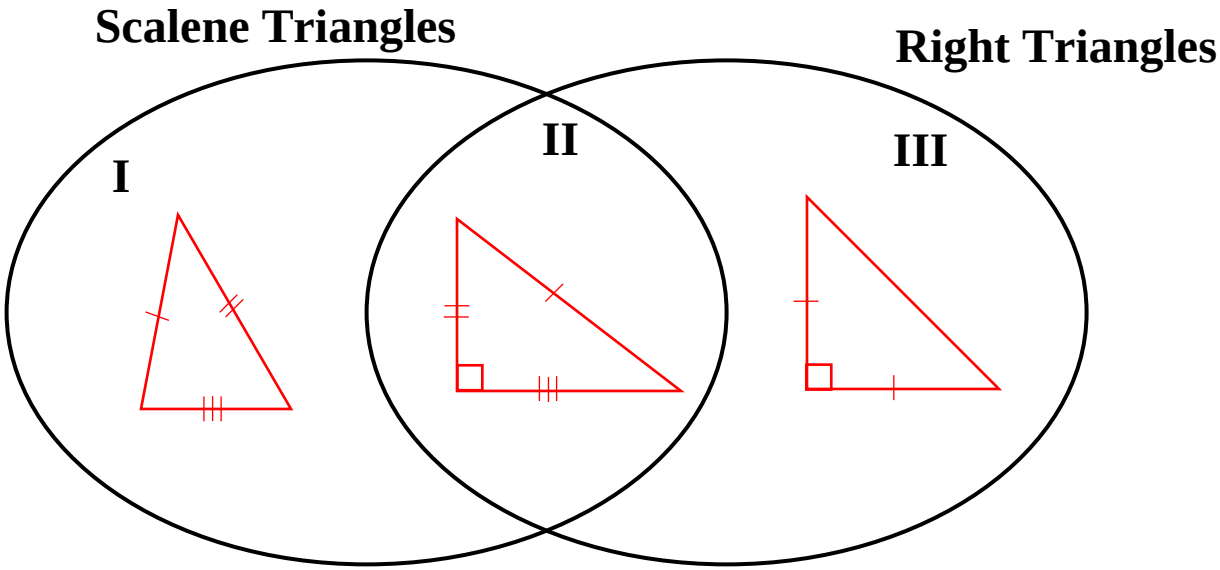
6

Sorting Using Venn Diagrams:

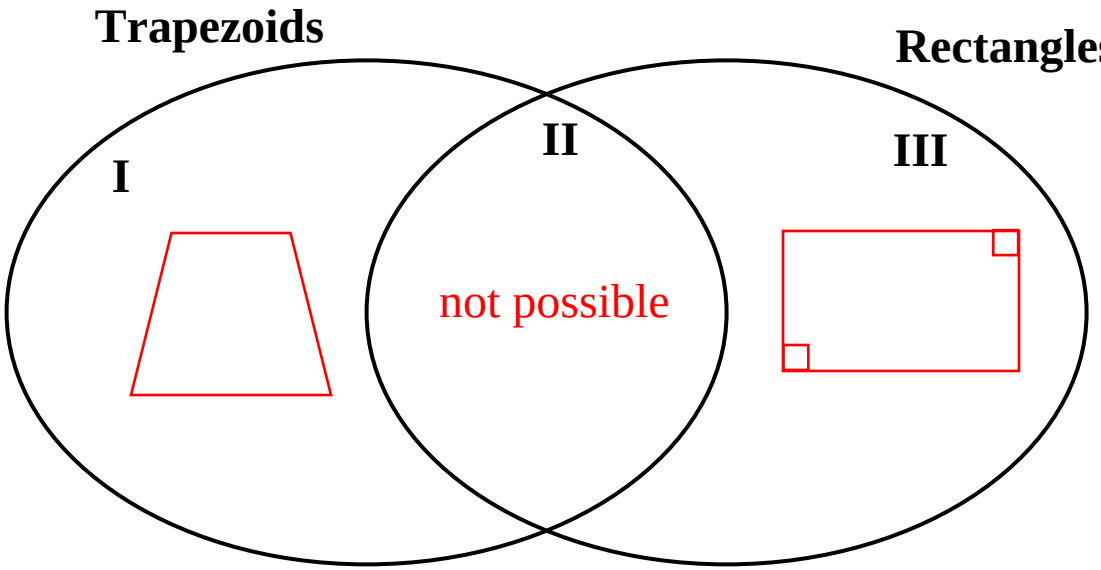
In the Venn diagram below, draw a representative figure in each of the three regions, if possible.



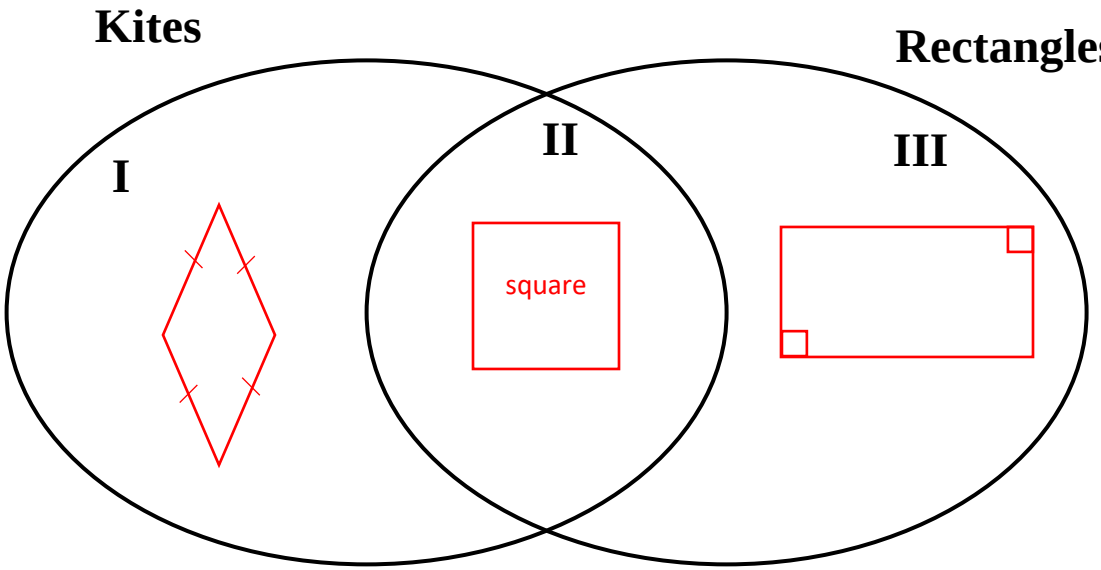
In the Venn diagram below, draw a representative figure in each of the three regions, if possible.



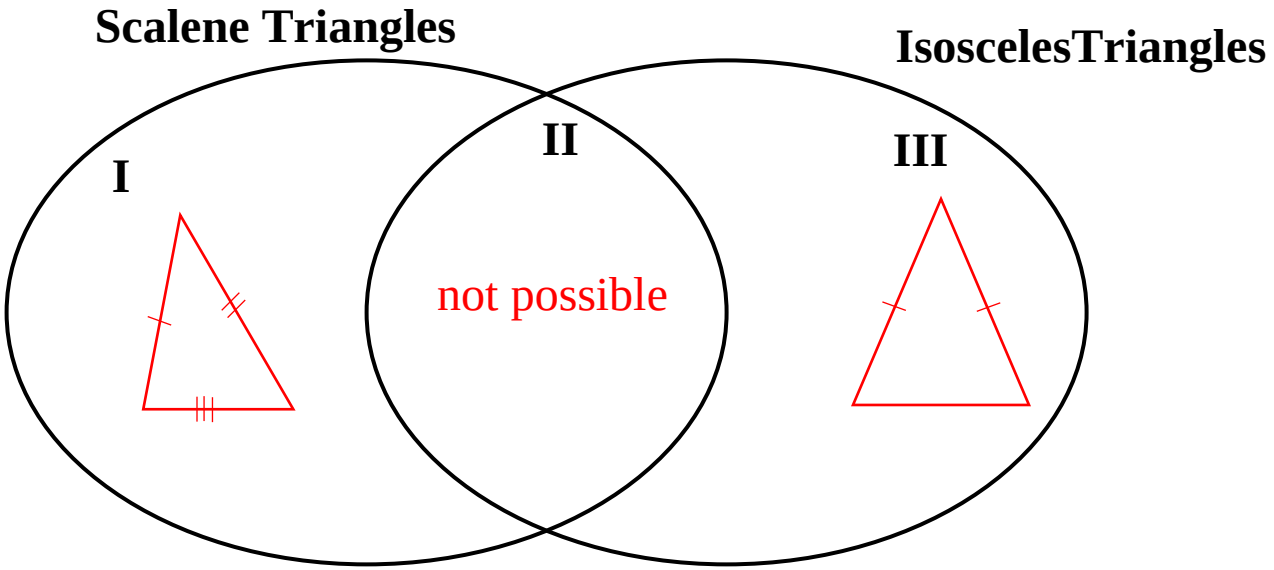
In the Venn diagram below, draw a representative figure in each of the three regions, if possible.



In the Venn diagram below, draw a representative figure in each of the three regions, if possible.



In the Venn diagram below, draw a representative figure in each of the three regions, if possible.



In the Venn diagram below, draw a representative figure in each of the three regions, if possible.