

# Tangrams

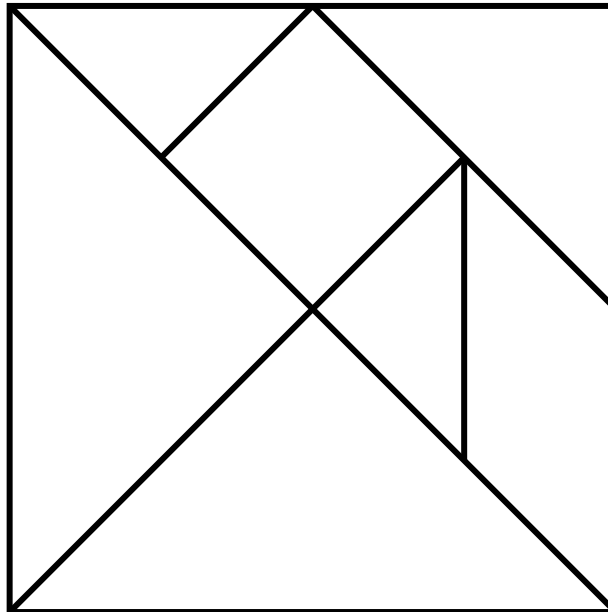


**Baseboard - none**

## Resources

You need to cut out the 7 tangram pieces from the template provided.

There are  
2 large right-angled triangles  
1 medium right-angled triangle  
2 small right-angled triangles  
1 square, and  
1 parallelogram



**Instructions** The 7 tangram pieces should be arranged to make new geometrical shapes. All the pieces must be used and they must touch at a common edge but not overlap.

If you are struggling to make the shapes below you can look at page 2 of this worksheet for clues but try to not to do this initially.

The shapes below are all convex with one exception – the heptagon, which is concave

These tasks are not as easy as you might think, and **some have more than one answer**.

**Puzzle 1** Arrange the 7 pieces to make a **rectangle**

**Puzzle 2** Arrange the 7 pieces to make a **right-angled triangle**

**Puzzle 3** Arrange the 7 pieces to make a **parallelogram**

**Puzzle 4** Arrange the 7 pieces to make a **trapezium**

**Puzzle 5** Arrange the 7 pieces to make a **pentagon**

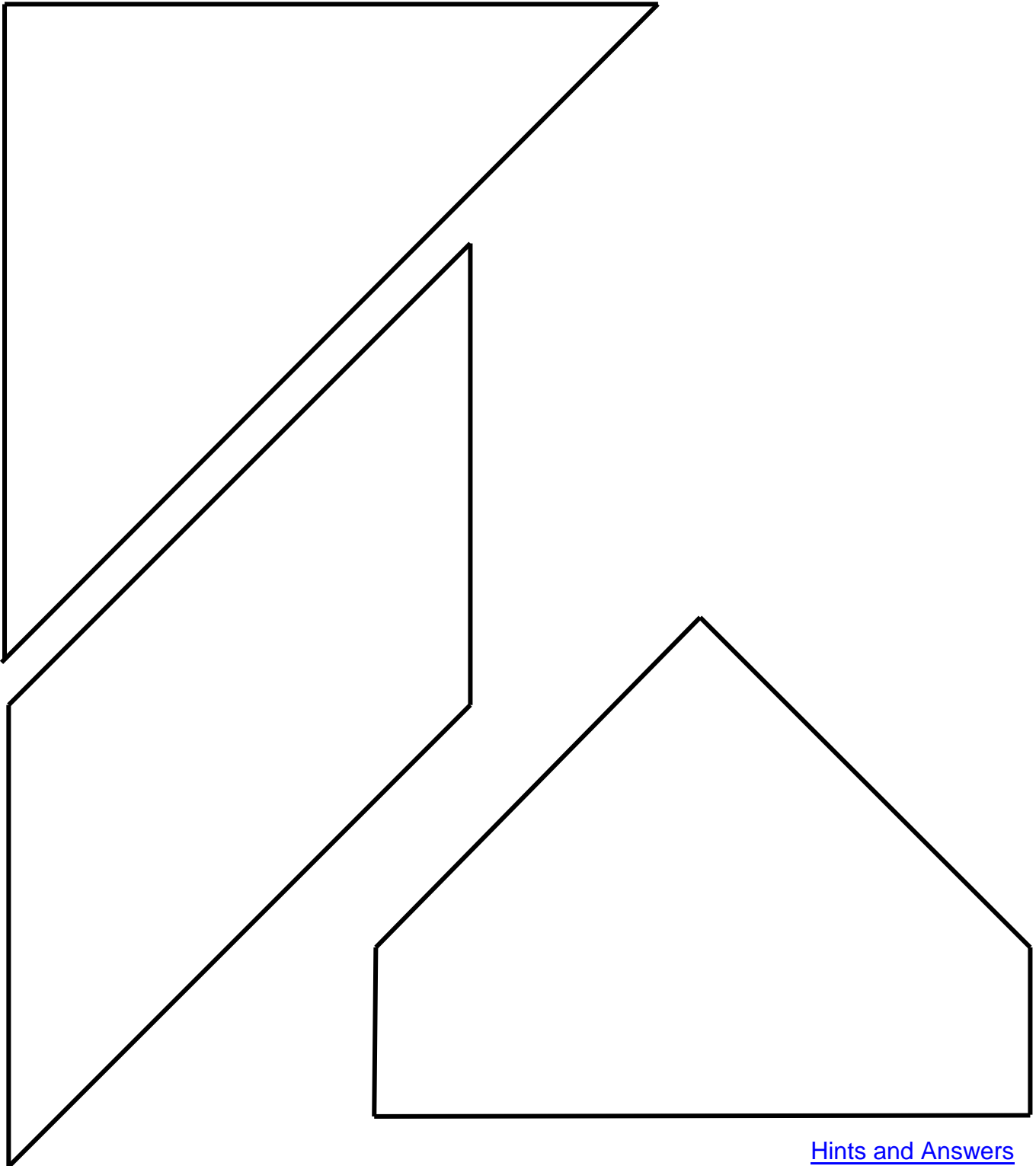
**Puzzle 6** Arrange the 7 pieces to make a **hexagon**

**Puzzle 7** Arrange the 7 pieces to make a **heptagon** (concave)

[Hints and Answers](#)

## Tangrams continued

These are the outlines of some of the shapes you are trying to make



[Hints and Answers](#)