

## Set C2 ★ Independent Worksheet 3

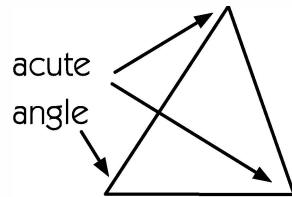


### INDEPENDENT WORKSHEET

## Name That Triangle!

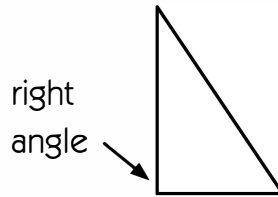
You can classify triangles by the size of their angles,

### Acute Triangle



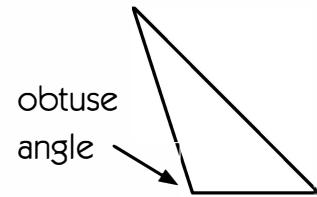
All 3 angles are acute.

### Right Triangle



One of the angles is a right angle.

### Obtuse Triangle

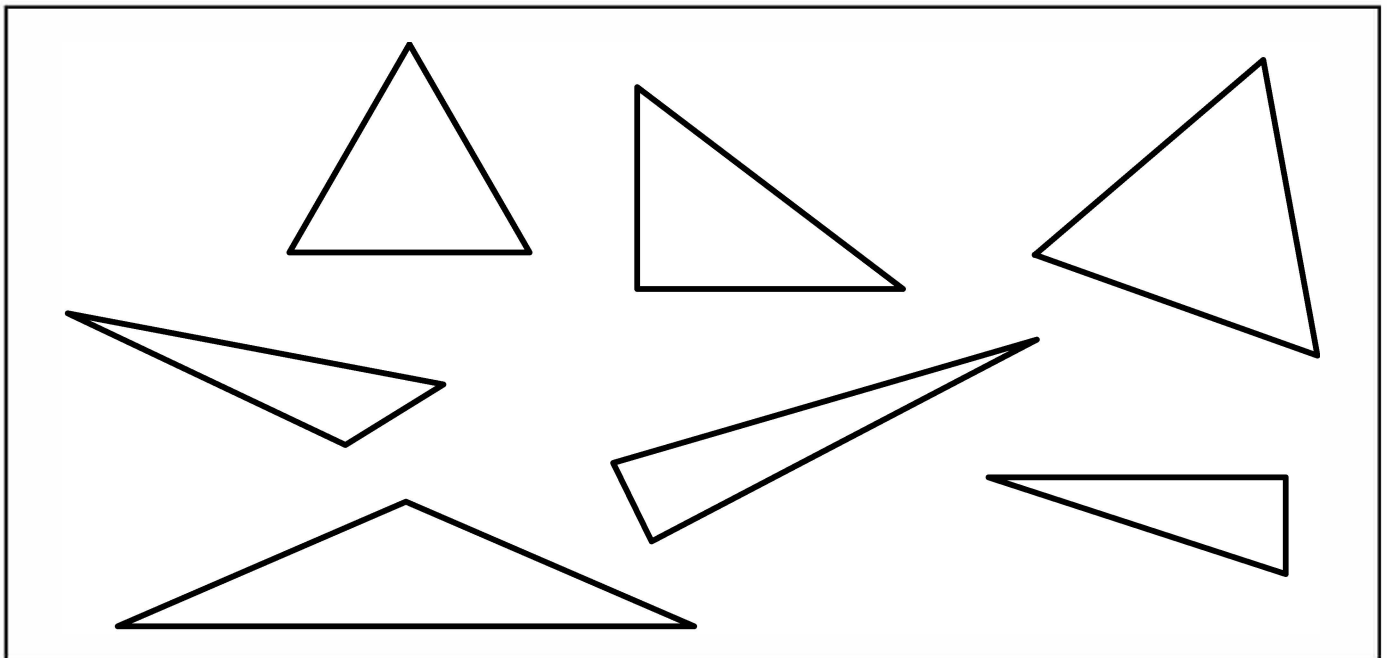


One of the angles is obtuse.

**1** Look at the triangles in the box below. Color:

- the acute triangles green.
- the right triangles red.
- the obtuse triangles orange.

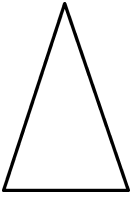
**Hint** Use the corner of a piece of paper, a tile, or a square pattern block to help test the angles. Some of these triangles might fool you!



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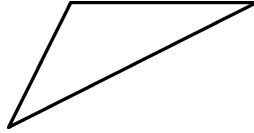
You can also classify triangles by the length of their sides.

**Isosceles Triangle**



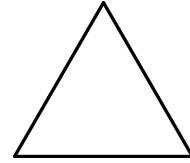
Two sides are the same length.

**Scalene Triangle**



Each side is a different length.

**Equilateral Triangle**

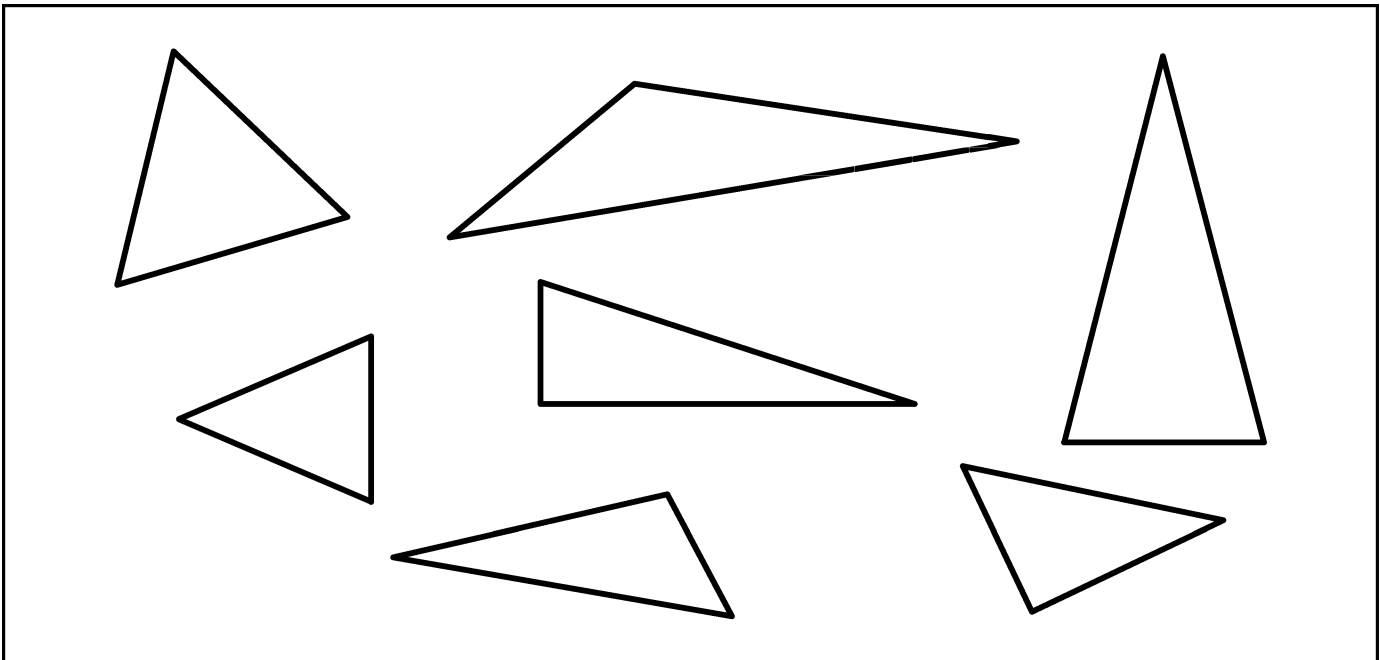


All 3 sides are the same length.

Look at the triangles in the box below. Color:

- the isosceles triangles purple.
- the scalene triangles yellow.
- the equilateral triangles blue.

**Hint** If you are not sure whether the side lengths are equal or not, use your ruler to help. Measure to the nearest quarter inch.



# Set C2 ★ Independent Worksheet 4



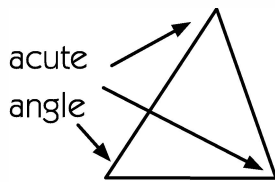
## INDEPENDENT WORKSHEET

### More Geoboard Triangles

Remember that you can classify and describe triangles in two different ways:

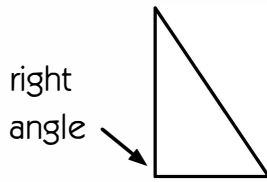
- by the size of their angles

#### Acute Triangle



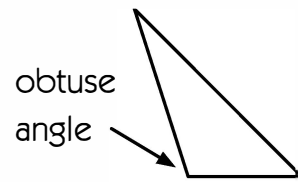
All 3 angles are acute.

#### Right Triangle



One of the angles is a right angle.

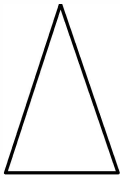
#### Obtuse Triangle



One of the angles is obtuse.

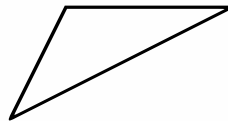
- by the length of their sides

#### Isosceles Triangle



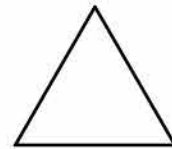
Two sides are the same length.

#### Scalene Triangle



Each side is a different length.

#### Equilateral Triangle

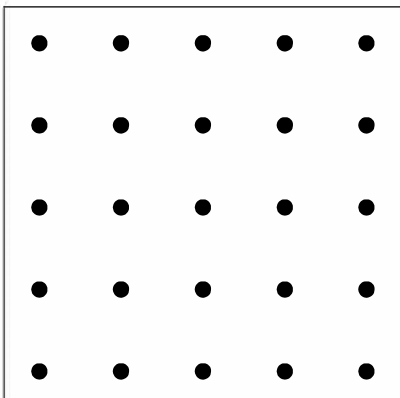


All 3 sides are the same length.

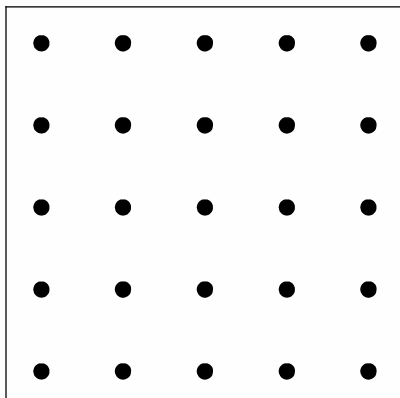
**1** Follow the instructions above each geoboard to draw some different triangles

*Hint* Build your triangles on a geoboard first. Then copy them onto the paper.

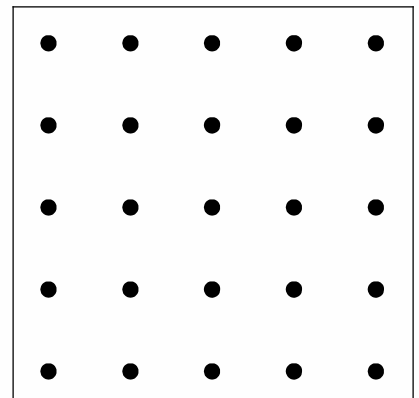
**a** A Right Triangle



**b** An Isosceles Triangle

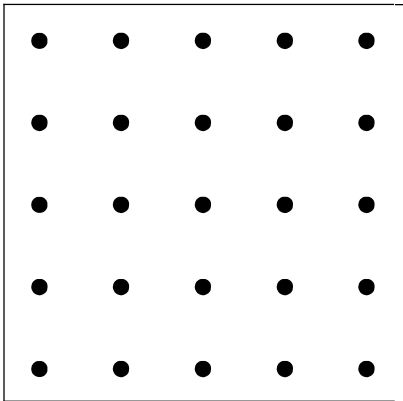


**c** An Acute Triangle

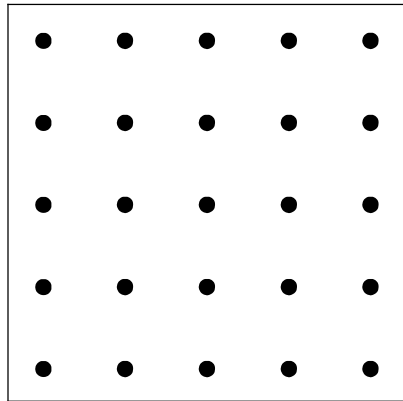


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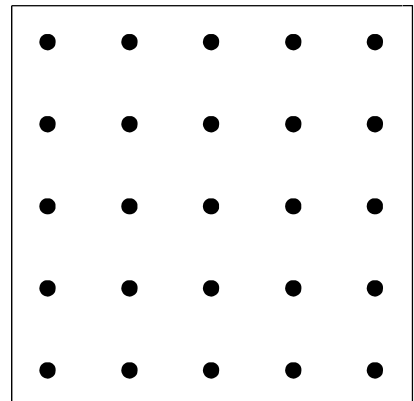
**d** An Obtuse Triangle



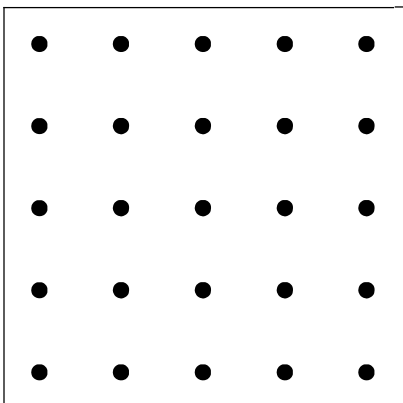
**e** A Scalene Triangle



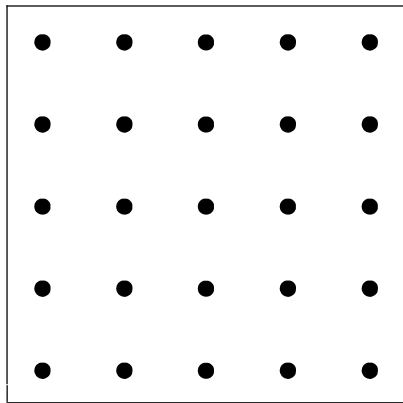
**f** A Right Triangle that is also Isosceles



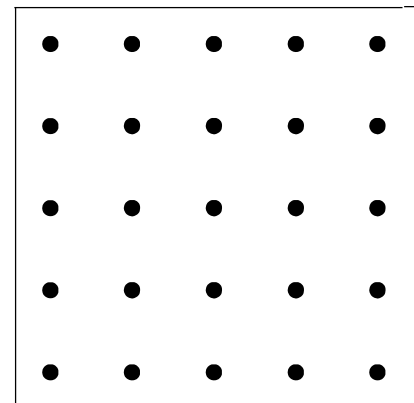
**g** A Right Triangle that is also Scalene



**h** An Acute Triangle that is also Scalene



**i** A Scalene Triangle that is also Obtuse



**CHALLENGE**

**2** Dana says it is impossible to draw a right triangle that is also acute. Do you agree with her? Why or why not? Use the geoboards below to test your ideas.

