**Regular** **polygons**: All sides and all angles are the same measurement.

**Irregular** **polygons**: Remember all it takes is one side or one angle to be different and you will have an irregular polygon



When labeling a shape, use the following rules:



1. Put an arc in any inside angles
2. If two or more angles are the same measure, place the same symbol inside the arc
3. Measure all sides and record the length outside of the shape
4. Use a notch symbol on any sides that are the same length
5. Put the chevron symbol to show any parallel sides
6. Record the name of the shape and identify if it is regular or irregular inside the shape



Name Tricks

|  |  |  |  |
| --- | --- | --- | --- |
| Triangle | 3 | https://upload.wikimedia.org/wikipedia/commons/thumb/4/4f/Simple_triangle.svg/220px-Simple_triangle.svg.png | http://www.harborfreight.com/media/catalog/product/cache/1/image/9df78eab33525d08d6e5fb8d27136e95/i/m/image_21275.jpg |
| Quadrilateral | 4 | https://mathbitsnotebook.com/Geometry/Quadrilaterals/QuadFamilyChart.jpg | Quad Bike, 4 Wheel, Vehicle, Dirt, Adventure, 4X4 |
| Pentagon | 5 | http://www.kidsmathgamesonline.com/images/pictures/shapes/pentagon.jpg | http://previews.123rf.com/images/tomaccojc/tomaccojc1411/tomaccojc141100321/33742187-Cartoon-Skyscrapers-Tower-skyscraper-apartment-penthouse-edifice-structure-set-Stock-Vector.jpg |
| Hexagon | 6 | http://www.kidsmathgamesonline.com/images/pictures/shapes/hexagon.jpg | “Hex”=Spell6 devil/witch |
| Heptagon | 7 | http://www.kidsmathgamesonline.com/images/pictures/shapes/heptagon.jpg | Hept = Sept (7 in French) |
| Octogon | 8 | http://www.kidsmathgamesonline.com/images/pictures/shapes/octagon.jpg | http://images.clipartpanda.com/cute-octopus-clipart-LcKe6jBca.png |
| Nonogon | 9 | http://www.kidsmathgamesonline.com/images/pictures/shapes/nonagon.jpg | Nonagon (Starts with N for nine) |
| Decagon | 10 | http://www.kidsmathgamesonline.com/images/pictures/shapes/decagon.jpg | Deca/Deka is greek for 10 |

Types of Triangles



