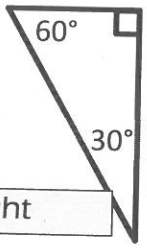
Right, Acute, Obtuse Triangles Example 1

Classify each triangle below as being a *right triangle*, an *acute triangle*, or an *obtuse triangle*.

a)

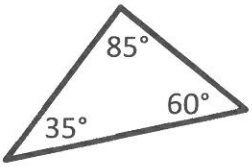
obtuse

b)



right

c)

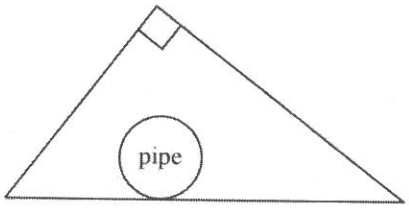


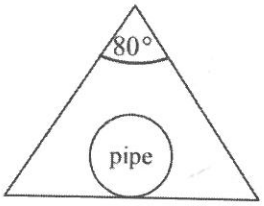
scalene

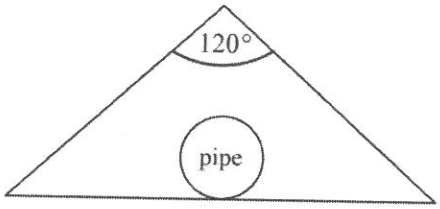
Right, Acute, Obtuse Triangles Example 2

OLD EXAM QUESTION ALERT!!! This question comes from the January 2016 Provincial Exam.

Martha is building a triangular ramp over a drainage pipe. She is considering the following designs:







a) Choose the letter that best completes the statement below:

The type of triangular ramp that allows a wheelbarrow to be pushed smoothly over the pipe with the least amount of effort from either side is:

a) acute
b) equilateral
c) obtuse
d) right

c) obtuse

b) Justify why this type of triangle should be used for the ramp, making reference to the base angles.

An obtuse triangle would have the smallest possible base angles. The larger the obtuse angle, the smaller the base angles would get. Smaller base angles means that it's easier to push a wheelbarrow over.