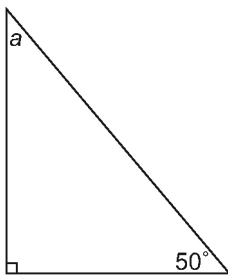


Lesson 6: Investigating Angles in a Triangle

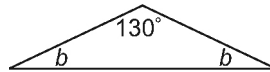
Name: _____

1. Determine the measure of each unknown angle without measuring.

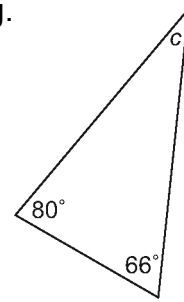
a)



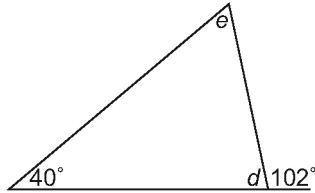
b)



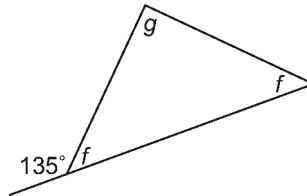
c)



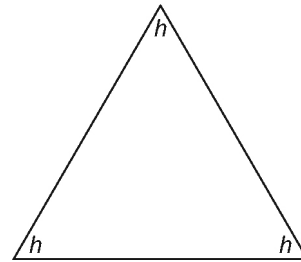
d)



e)



f)



2. A student drew 4 different triangles. She recorded the angle measures in a table. Did the student measure the angles in each triangle correctly? How do you know? Show your work using pictures or mathematical operations.

Triangle	$\angle A$	$\angle B$	$\angle C$
a)	50°	40°	90°
b)	37°	33°	120°
c)	82°	24°	74°
d)	60°	57°	51°

3. Find the measure of the third angle in each triangle.

a) A triangle with two angles measuring 110° and 45°

b) A triangle with one right angle and a 40° angle

c) A triangle with two angles measuring 60°