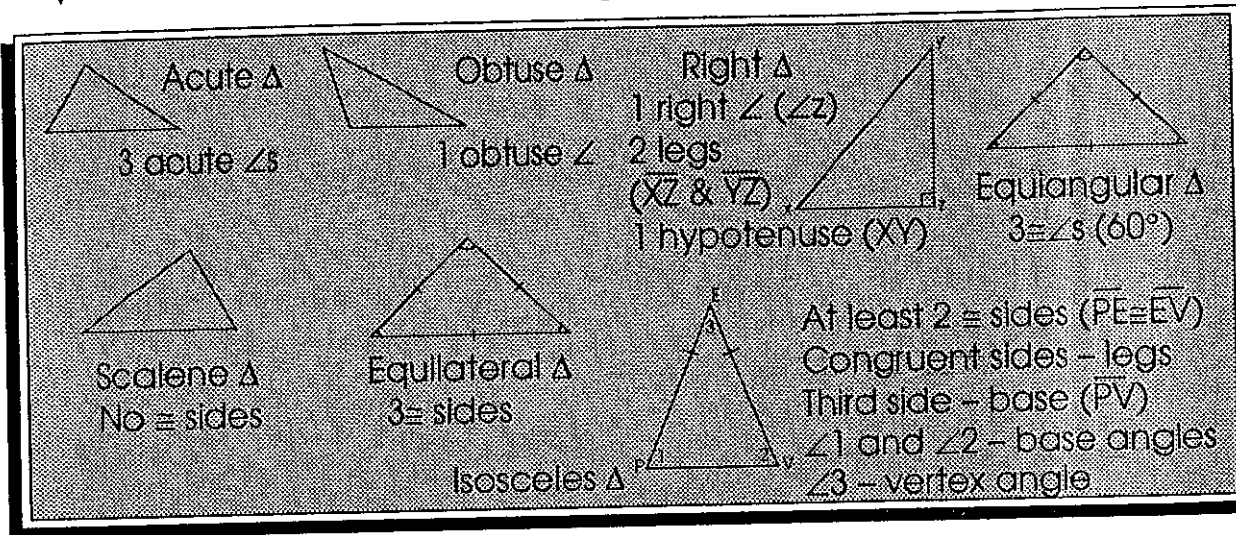
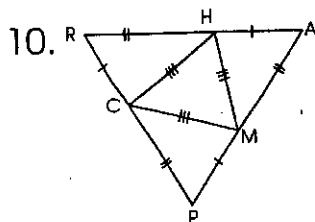
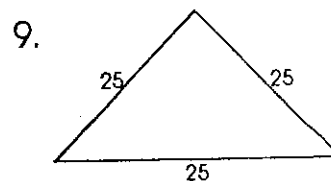
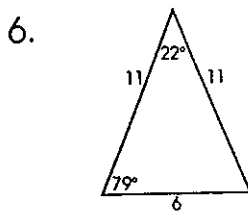
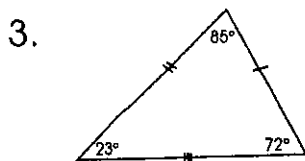
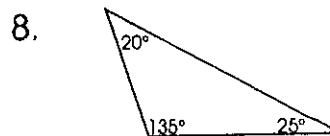
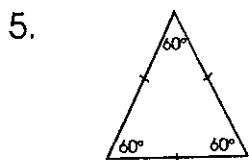
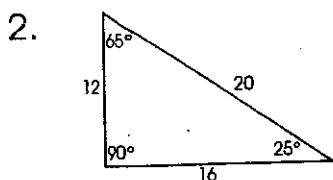
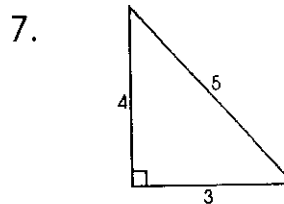
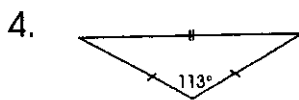
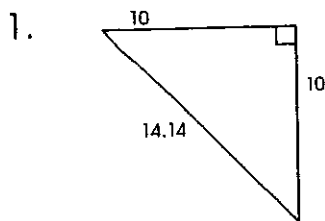


Lines, Angles and Triangles

Triangles (Δ)



Classify each triangle by its angles and by its sides.



- Name all equilateral triangles.
- Name all isosceles triangles.
- Name all scalene triangles.

11. True or false: An equilateral triangle is always isosceles.

Classifying Triangles

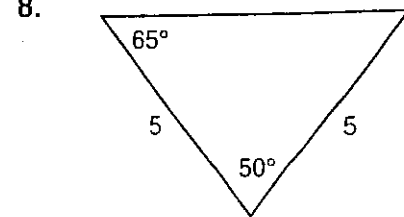
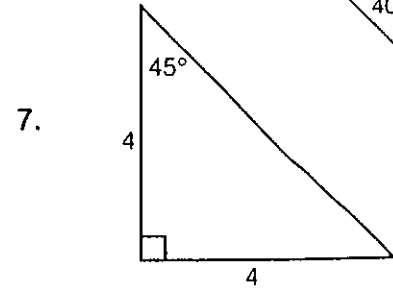
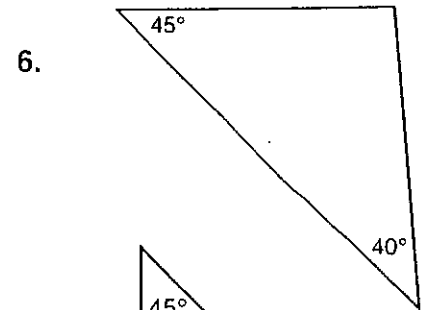
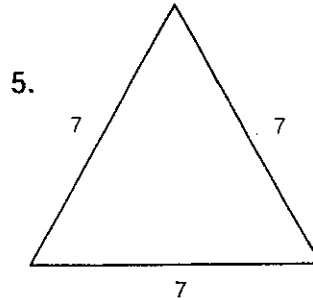
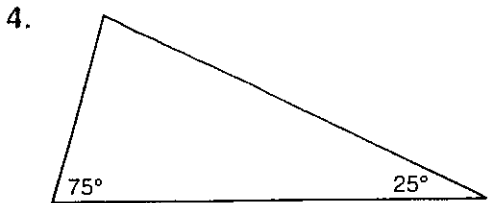
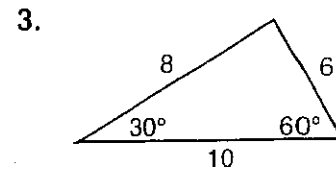
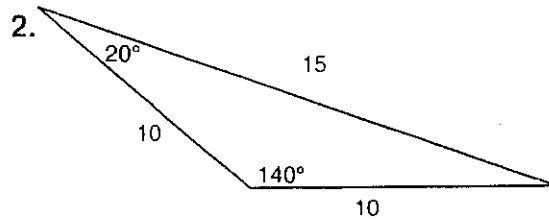
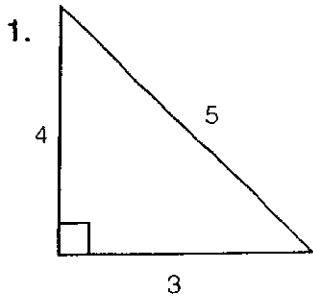
by sides

equilateral — all three sides equal
 isosceles — at least two sides equal
 scalene — no sides equal

by angles

equiangular — all three angles equal
 acute — three acute angles
 right — one right angle
 obtuse — one obtuse angle

Classify the triangles below. There will be at least 2 answers per triangle, maybe more. Check all columns that apply in the chart. Write the letters corresponding with those columns checked in the blanks below to reveal the "Prince of Mathematicians".



	equilateral	isosceles	scalene	equiangular	acute	right	obtuse
1.	E	L	C	U	D	A	F
2.	B	R	N	O	C	I	L
3.	N	W	F	T	S	R	P
4.	A	C	I	G	E	Y	H
5.	D	R	P	I	C	S	W
6.	V	M	H	Q	E	D	G
7.	R	A	E	D	H	U	I
8.	P	S	M	L	S	N	C