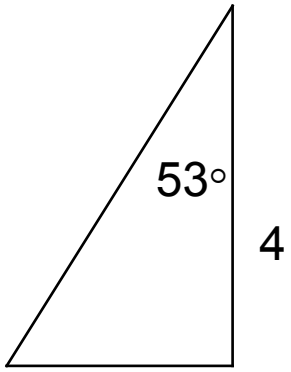
Handout Math 48C Mitchell Schoenbrun Lesson 9
Solving Triangles

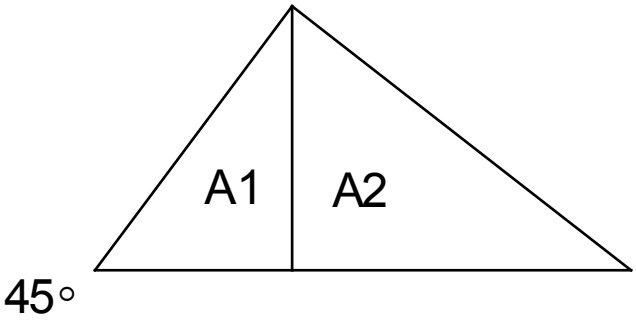
For these right Triangles, draw a diagram and find the missing parts. Assume c is the hypoteneuse.

1) $m\angle A = 23^\circ; c = 27$	3) $a = 428; b = 797$
2) $m\angle B = 67^\circ; c = 72$	4) $a = 11; b = 21$

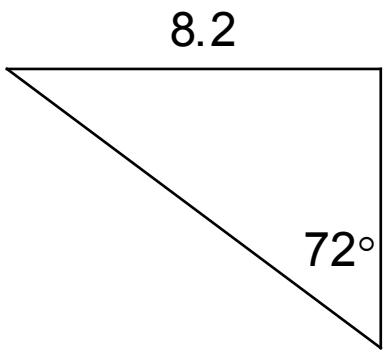
5)



7) In the diagram below, Areas A2 = 1.5 x A1
Find the missing angles.



6)



8) In the diagram below, $\angle BAC$ is bisected by $\overline{AD}$.
The area of $\triangle ACD$ is 3 x area of $\triangle ABD$.
Find all missing angles.