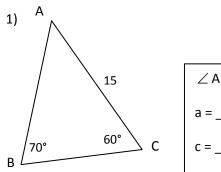
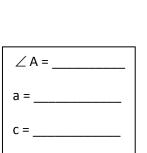
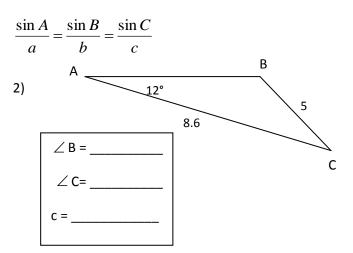
College Review Math Review Sections 9-3 & 9-4 Name ______

Round **all** answers to nearest tenth.

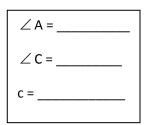
Use the Law of Sines to solve the following triangles.



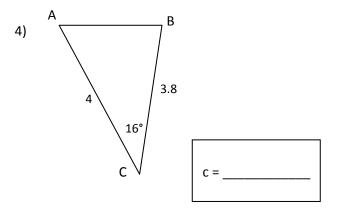




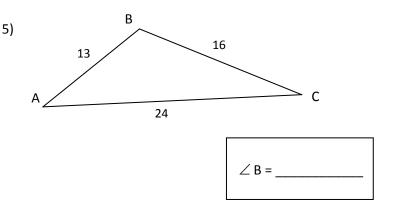
3) Draw and solve $\triangle ABC$ if a = 9, b = 10 and $\angle B = 39^{\circ}$



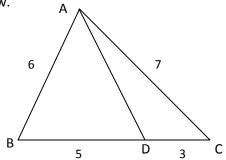
Use the Law of Cosines to find the missing measurement.



 $c^2 = a^2 + b^2 - 2ab\cos C$



6) Find the length of AD in the diagram below.



7) Draw \triangle ABC, then find the length of the median from A, if a = 10, b = 12 and c = 6

Use either the Law of Sines or Cosines to solve the word problems. Make sure to make a drawing for each.

8) Buoys (B) and (C) lie south of the coast of the 9) Lacy and Cassie are flying kites from the same most southern tip of South America. They lie in a location. Lacy has let out 100' of string, and her direct eastern path with buoy C being the most kite fly's at an angle of inclination of 80°. Cassie's eastern. Bouy (C) is known to be exactly 1580 yards kite has an angle of inclination of 70° and has 110' of string released. If both kites lie on the same from the coast city of Hope (H). If a ship passes buoy B headed directly east with \angle CBH = 28° and vertical plane, how far apart are the kites? \angle BCH = 117° draw \triangle BHC and determine how far bouy (B) is from Hope (H)?