Law of Sines and the Ambiguous Case - Guided Lesson:

Complete the following problems:

1) In  $\triangle ABC$ , a = 8, c = 17, and m<A = 40°. How many distinct triangles can be drawn given these measurements?

2) In  $\triangle ABC$ , a = 12, b = 17, and m<A = 20°. How many distinct triangles can be drawn given these measurements?

3) In  $\triangle ABC$ , a = 15, b = 20, and m<A = 40°. How many distinct triangles can be drawn given these measurements?

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