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Law of Sines and the Ambiguous Case - Guided Lesson:
Complete the following problems:

1) In $\triangle A B C, a=8, c=17$, and $m<A=40^{\circ}$. How many distinct triangles can be drawn given these measurements?
2) In $\triangle A B C, a=12, b=17$, and $m<A=20^{\circ}$. How many distinct triangles can be drawn given these measurements?
3) In $\triangle A B C, a=15, b=20$, and $m<A=40^{\circ}$. How many distinct triangles can be drawn given these measurements?
