

Unit 3.2 Law of Sines using SSA Ambiguous Case PRACTICE

Solve each triangle ABC that exists.

#1 $A = 40^\circ$, $a = 3$, $b = 5$

List all possible Answers = _____

_____ (2 pt)

#2 $B = 28.6^\circ$, $a = 41$, $b = 53$

List all possible Answers = _____

_____ (2 pt)

#3 $C = 129^\circ$, $a = 10$, $c = 8$

List all possible Answers = _____

_____ (2 pt)

#4 $C = 12^\circ$, $a = 5$, $c = 5.4$

List all possible Answers = _____

_____ (2 pt)

#5 $A = 110^\circ$, $a = 125$, $b = 100$

List all possible Answers = _____

_____ (2 pt)

#6 $A = 58^\circ$, $a = 42.4$, $b = 50$

List all possible Answers = _____

_____ (2 pt)

#7 $A = 54^\circ$, $a = 24$, $c = 17$

List all possible Answers = _____

_____ (2 pt)

#8 $A = 37^\circ$, $a = 28$, $c = 40$

List all possible Answers = _____

_____ (2 pt)

#9 $A = 55^\circ$, $a = 19$, $c = 18$

List all possible Answers = _____

_____ (2 pt)

#10 $B = 33^\circ$, $a = 38$, $b = 29$

List all possible Answers = _____

_____ (2 pt)

#11 $B = 110^\circ$, $a = 200$, $b = 125$

List all possible Answers = _____

_____ (2 pt)

#12 $A = 29^\circ$, $a = 53$, $b = 41$

List all possible Answers = _____

_____ (2 pt)