A2.A.75: Law of Sines - The Ambiguous Case 5: Determine the solution(s) from the SSA situation (ambiguous case)

1 If a 4, b 5, and m A 30, the number of distinct triangles that may be constructed is

2 If m A 68, side a 10, and side b 24, how many distinct triangles that can be constructed?

3 If a 6, b 5, and m A 30, the number of distinct triangles which can be constructed is

4 If m A 30, a $\sqrt{5}$, and b 6, the number of triangles that can be constructed is

5 How many distinct triangles can be formed if m A 30, b 12 and a 6?

6 How many distinct triangles can be constructed if m A 30, b 12, and a 7?

7 If m A 30, a 11, and b 12, the number of distinct triangles that can be constructed is

8 If a 5, b 7, and m A 30, how many distinct triangles can be constructed?

9 If a $5\sqrt{2}$, b 8, and m A 45, how many distinct triangles can be constructed?

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Answer Section

1 ANS:
2

REF: 068124siii
2 ANS:
0

REF: 010433siii
3 ANS:
1

REF: 018735siii
4 ANS:
0

REF: 018934siii
5 ANS:
1

REF: 019028siii
6 ANS:
2

REF: 069035siii
7 ANS:
2

REF: 089033siii
8 ANS:
2

REF: 069534siii
9 ANS:
2

REF: 089529siii
10 ANS:
1

REF: 069633siii
11 ANS:
2

REF: 019834siii

12 ANS:
0

REF: 069834siii
13 ANS:
2

REF: 010023siii
14 ANS:
2

REF: 060127siii
15 ANS:
0

REF: 080134siii
16 ANS:
2

REF: 010231siii
17 ANS:
1

REF: 010330siii
18 ANS:
0

REF: 060335siii