Answers and mark guide

Q	Answer	Working	Marks
1	**20.0 cm**	x/sin 46° = 20/sin 46°	4
2	**19.3 cm**	x/sin 79° = 17/sin 60°	4
3	**14.0 cm**	x/sin 55° = 14/sin 55°	4
4	**10.1 cm**	x/sin 60° = 10/sin 59°	4
5	**25.8 cm**	x/sin 67° = 14/sin 30°	4
6	**21.8 cm**	x/sin 40° = 19/sin 34°	4
7	**30.1 cm**	x/sin 53° = 20/sin 32°	4
8	**10.1 cm**	x/sin 41° = 12/sin 51°	4
9	**15.7 cm**	x/sin 47° = 16/sin 48°	4
10	**26.1 cm**	x/sin 72° = 18/sin 41°	4
11	**44.6°**	sin x ÷ 10 = sin 66° ÷ 13	5
12	**30.8°**	sin x ÷ 10 = sin 67° ÷ 18	5
13	**27.8°**	sin x ÷ 8 = sin 69° ÷ 16	5
14	**15.6°**	sin x ÷ 6 = sin 54° ÷ 18	5
15	**23.4°**	sin x ÷ 12 = sin 39° ÷ 19	5
16	**12.0 cm**	Angle C = 75°; AC/sin 63° = 13/sin 75°	5
17	**11.4 km**	Angles: A = 40°, B = 80°, L = 60°	6
18	**8.51 cm**	a/sin A = c/sin C	5
19	**a/sin A = b/sin B = c/sin C**	Standard result.	3
20	**15.5 cm**	Longest side is opposite the largest angle	5

My score: _____ / 89 Questions 1–15 = 65 marks (Foundation focus)