Answers and mark guide

Q	Answer	Working	Marks
1	**√3/2**	Use the exact trig values table.	2
2	**1/2**	Use the exact trig values table.	2
3	**√2/2**	Use the exact trig values table.	2
4	**√3/2**	Use the exact trig values table.	2
5	**√3/3**	Use the exact trig values table.	2
6	**√2/2**	Substitute exact values and multiply.	4
7	**√3/2**	Substitute exact values and multiply.	4
8	**√3/6**	Substitute exact values and multiply.	4
9	**√3/6**	Substitute exact values and multiply.	4
10	**√3/2**	Substitute exact values and multiply.	4
11	**3/2**	Substitute exact values, then combine.	4
12	**√2**	Substitute exact values, then combine.	4
13	**√3**	Substitute exact values, then combine.	4
14	**1/2 + √2/2**	Substitute exact values, then combine.	4
15	**1/2 + √2/2**	Substitute exact values, then combine.	4
16	**1**	√3/2 ÷ √3/2	4
17	**5 cm**	10 × sin 30°	5
18	**6√2 cm**	6 ÷ cos 45° = 6 ÷ (√2/2)	5
19	**1**	3/4 + 1/4 = 1	4
20	**8√3 cm²**	Short side 4, long side 4√3; area = ½ × 4 × 4√3	5

My score: _____ / 73 Questions 1–15 = 50 marks (Foundation focus)