Sine Rule, Cosine Rule and Area Rule - basics

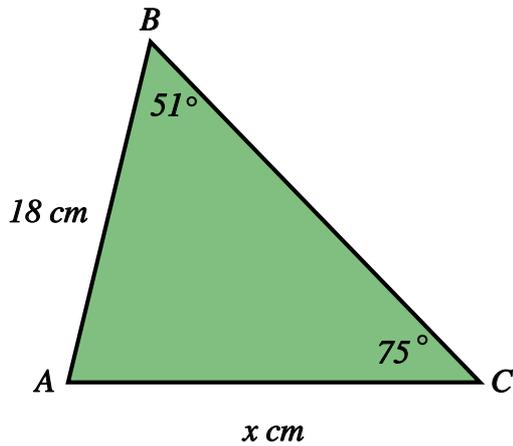| Name:	Class:	Date:

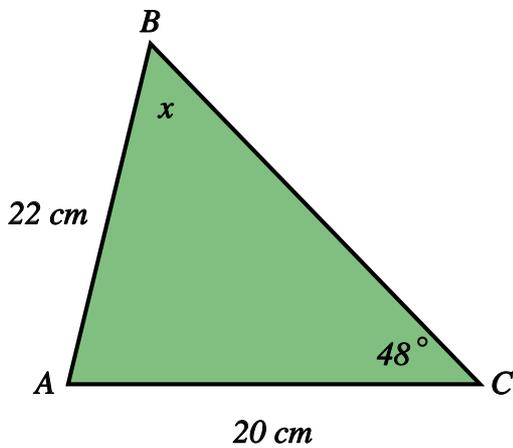| Mark	/ 6	%

1) Find x in the triangle below, giving your answer to 3 significant figures.   [1]
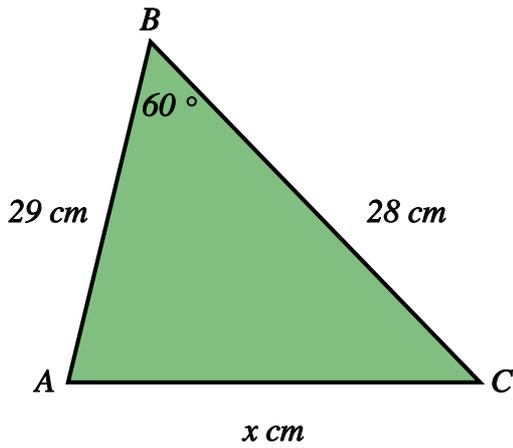

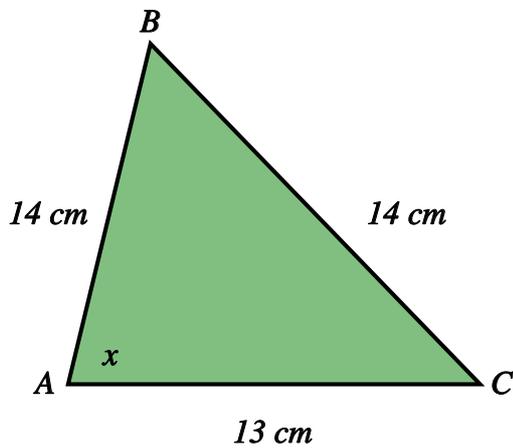**2)** Find x in the triangle below, giving your answer to 3 significant figures.   [1]

3) Find x in the triangle below, giving your answer to 3 significant figures. [1]
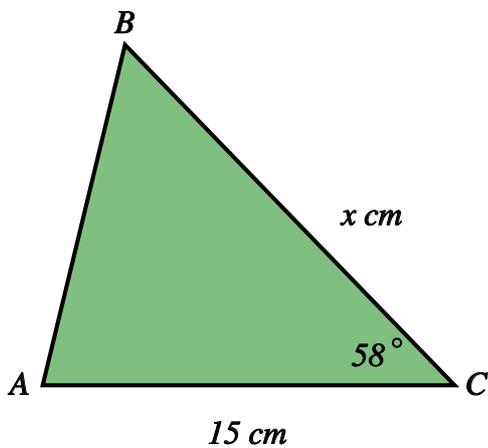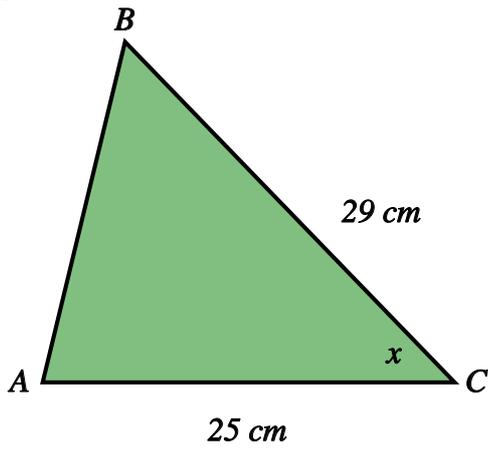
B

60 °

29 cm   28 cm

A   C

x cm

4) Find x in the triangle below, giving your answer to 3 significant figures. [1]

B

14 cm   14 cm

A   x   C

13 cm

5) The area of triangle ABC is 80 cm ^{2}. Find the length of x, giving your answer to 3 significant figures.

B

x cm

58°

A   C

15 cm

[1]

6) The area of triangle ABC is 310 cm ^{2}. Find the size of angle x, giving your answer to 3 significant figures.

[1]

Solutions for the assessment Sine Rule, Cosine Rule and Area Rule - basics

1) $x = 14.5$ cm

2) $x = 42.5°$

3) $x = 28.5$ cm

4) $x = 62.3°$

5) $x = 12.6$ cm

6) $x = 58.8°$