Pythagoras and Trigonometry
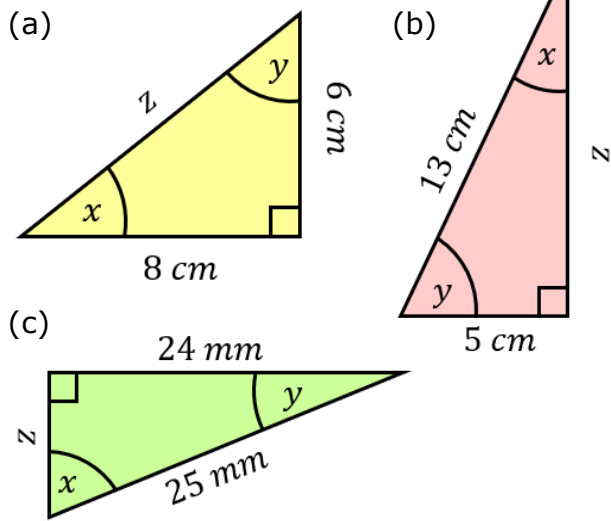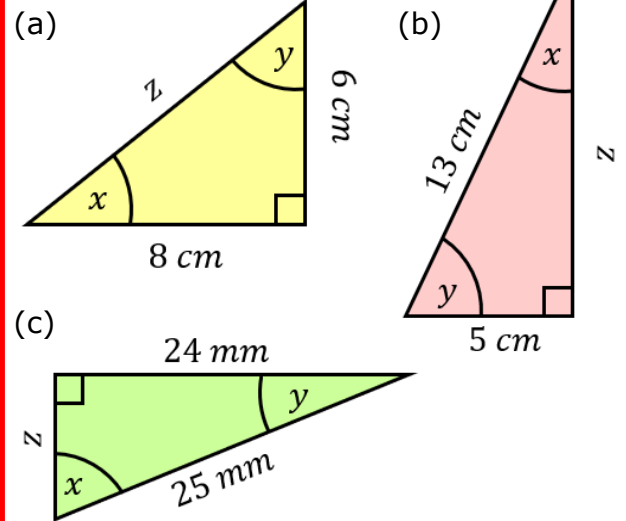
Find all the missing lengths and angles in each of these right-angled triangles, to 1 decimal place.

(a)

6 cm, 8 cm, with angles x, y and side z

(b)

13 cm, 5 cm, with angle x, y and side z

(c)

24 mm, 25 mm, with angles x, y and side z

Find the values of x, y and z to 1 decimal place.

(a)

11 cm, angle 32, sides x, y, z

(b)

18 mm, angle 51, angle x, side y, z

(c)

2.2 m, angle 43, angle x, side y, z

Find all the missing angles and lengths in this diagram, rounding to 1 decimal place when required.

10 cm, 50, b, a, e, f, c, d, g, 7 cm

Pythagoras and Trigonometry

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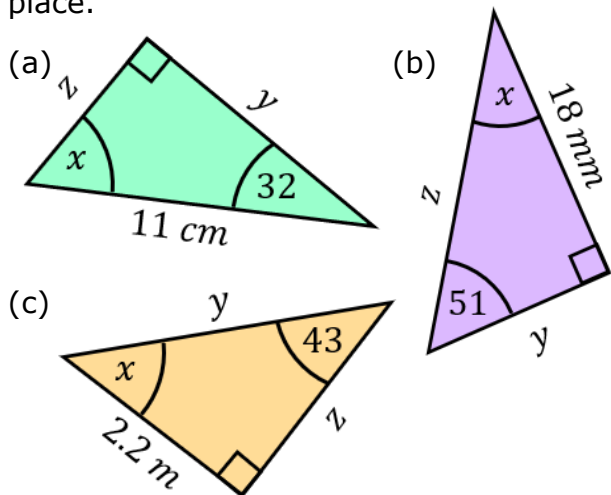
(a)

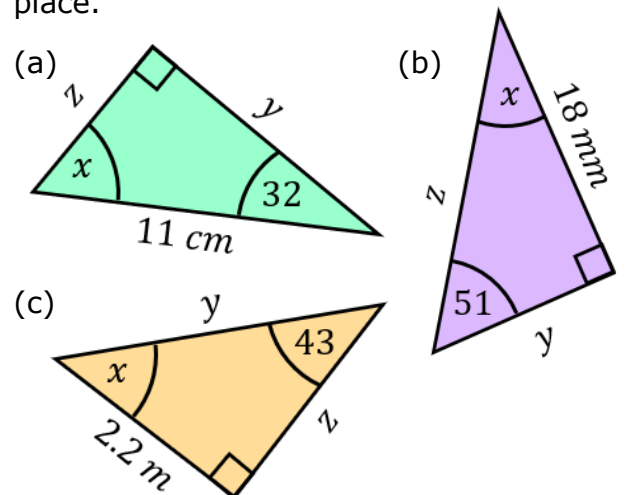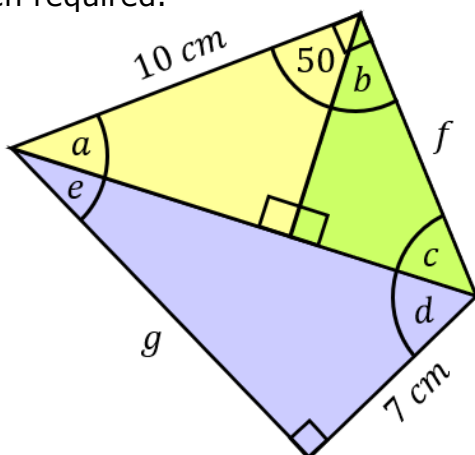6 cm, 8 cm, with angles x, y and side z

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