



Calculate x.

$$x^{2} : 3^{2} + 4$$

$$= 9 + 16$$

$$= 25$$

$$x = \sqrt{25} = 5 \text{ cm}$$
The most common mistake
1s to forget this step





- XYZ is a right-angle triangle.
- XY = 26 cm
- YZ = 19 cm.

Find XZ correct to 3 significant figures.

$$x^{2}: \Im^{2} - 19^{2}$$

$$= 676 - \Im^{6} 1$$

$$= \Im^{6} 5$$

$$x: \int \Im^{5} 5$$

$$= 17 \cdot 74823935$$

$$= 17 \cdot 74823935$$
(3)





ABC is a right-angle triangle.

- AB = 6cm
- BC = 14cm

$$= \frac{6 \times 14}{2} = \frac{84}{2} = 42$$

(b) Calculate the length of AC.

Give your answer correct to 2 decimal places.

$$3C^{2} = 6^{2} + 14^{2}$$

= 36 + 196
= 332
$$C = \sqrt{232}$$

= 17 \cdot 23 | 5462|
= 17 \cdot 23 | 5462|

(3)©JustMaths 2013



A ladder is 6m long.

The ladder is placed on horizontal ground, resting against a vertical wall.

The instructions for using the ladder say that the bottom of the ladder must not be closer than 1.5m from the bottom of the wall.

How far up the wall can the ladder reach?

Give your answer correct to 1 decimal place.

