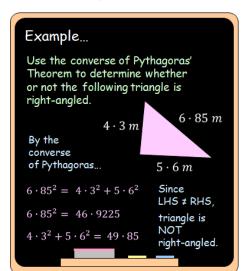
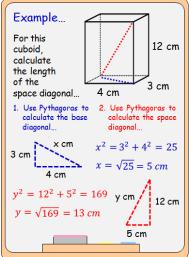
# Outcome 1 - Applying Pythagoras' Theorem

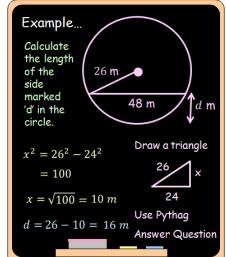
## Bronze example



## Silver example



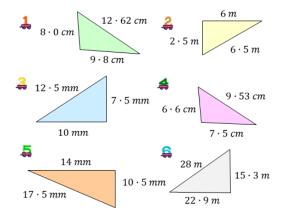
## Gold example



8 cm

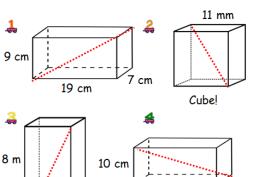
#### **Bronze Questions**

Use the converse of Pythagoras to determine whether or not the following triangles are right-angled...



# Silver Questions

For each of the following cuboids, calculate the length of the space diagonal...

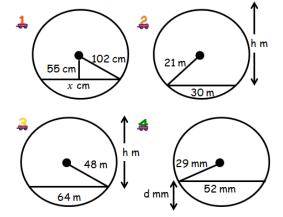


2 m

25 cm

# Gold Questions

Calculate the length of the side marked 'x' in the circles below...



### Bronze Answers

- 1. No 2. Yes
- 3. Yes 4. No
- 5. Yes 6. No

#### Silver Answers

- 1. 22·1 cm 2. 19·1 mm
- 3. 9·7 m 4. 28·0 cm

#### Gold Answers

- 1. 171·80 cm 2. 35·70 m

- 3. 83·78 m 4. 16·15 mm