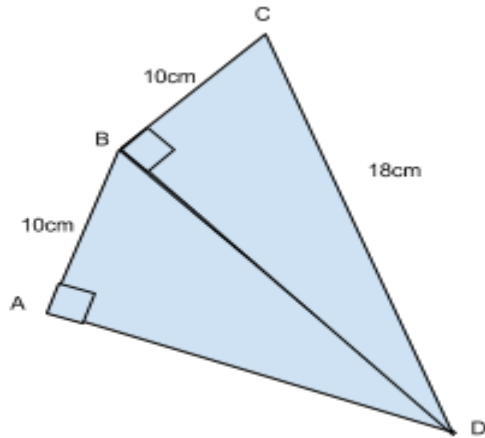


QT Pythagoras' Theorem - Higher

- Calculate the lengths BD and AD
 - What is the total perimeter of the shape?
 - What is the total area of the quadrilateral?



- Find the length of XY when X and Y have the coordinates:

- X (6,3) Y (2,8)
- X (11,6) Y (13, 0)
- X (11, -4) Y (-5, 5)
- X (-11,-2) Y (-2, -7)

- Joe travels at 12 km/h for an hour due north. He then turns due west and travels at 6 km/h. How far is he from his starting point? What bearing must he travel to return home?

- A builder is replacing a roof beam and needs to know its length. The measurements he knows are shown on the diagram. How long should the beam be?

