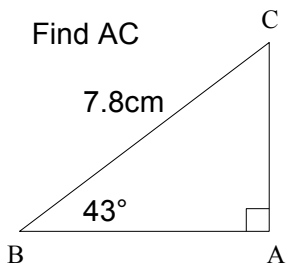


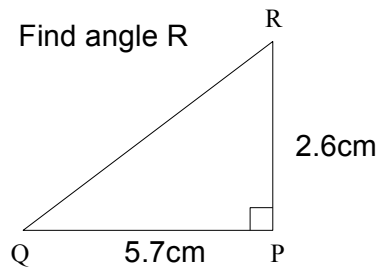
## Trigonometry Homework

1)

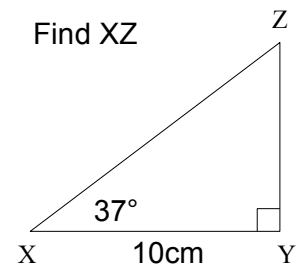
(a)



(b)



(c)



2) A ladder 5m long is leaning against a wall so that the angle between the ladder and the ground is  $65^\circ$ . How far up the wall does the ladder reach?

3) A boat leaves harbour A and sails 40km due east to a point B. It then turns and travels 70km due south to C. How far, and on what bearing, does it need to sail to return to A