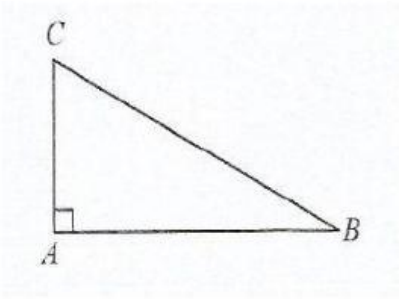
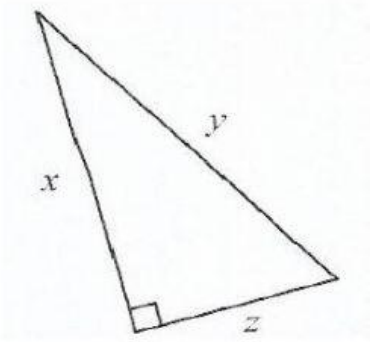
BAB 13 : TEOREM PYTHAGORAS

Bagi setiap yang berikut, kenal pasti hipotenus

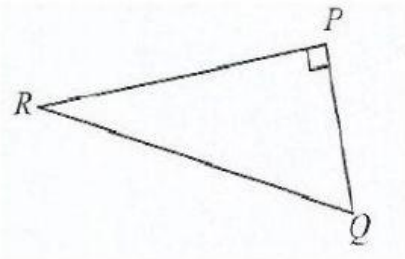
a)



b)

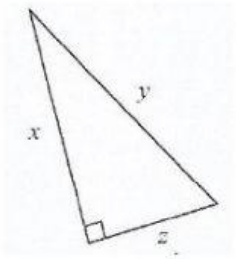


c)



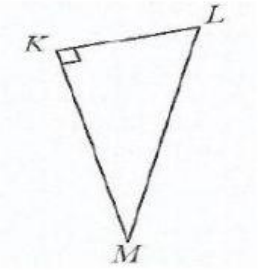
Bagi setiap yang berikut, pilih hubungan antara panjang sisi segi tiga bersudut tegak yang betul.

a)



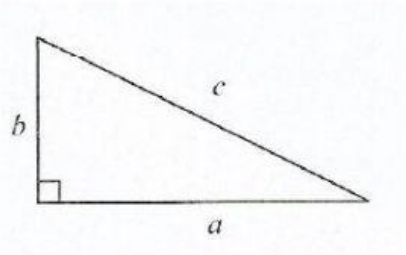
$x^2 = y^2 + z^2$	
$y^2 = x^2 + z^2$	
$z^2 = y^2 + x^2$	

b)



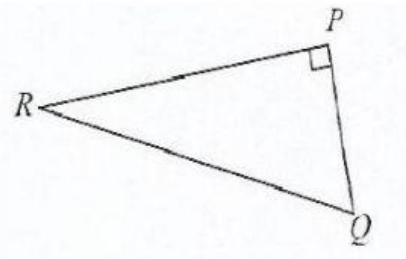
$LM^2 = KL^2 + KM^2$	
$KM^2 = KL^2 + LM^2$	
$KL^2 = LM^2 + KL^2$	

c)



$c^2 = a^2 - b^2$	
$a^2 = c^2 - b^2$	
$b^2 = a^2 - c^2$	

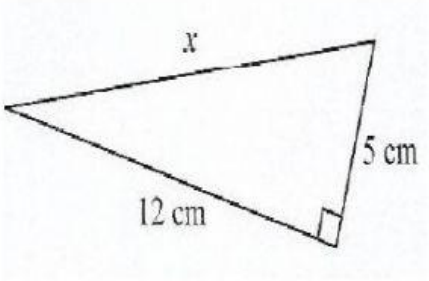
d)



$RQ^2 = RP^2 - PQ^2$	
$RP^2 = PQ^2 - RQ^2$	
$PQ^2 = RQ^2 - RP^2$	

Hitung nilai x bagi setiap yang berikut . Lengkapkan langkah pengiraan yang diberi.

a)

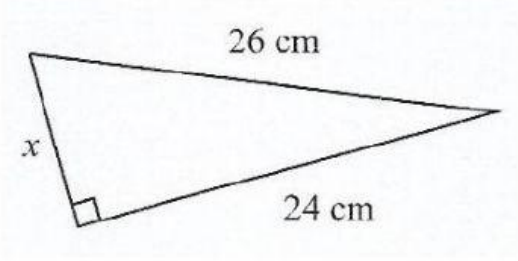


$x^2 = \square^2 + 5^2$

$x^2 = 144 + \square$

$x = \sqrt{\square} = \square$ cm

b)

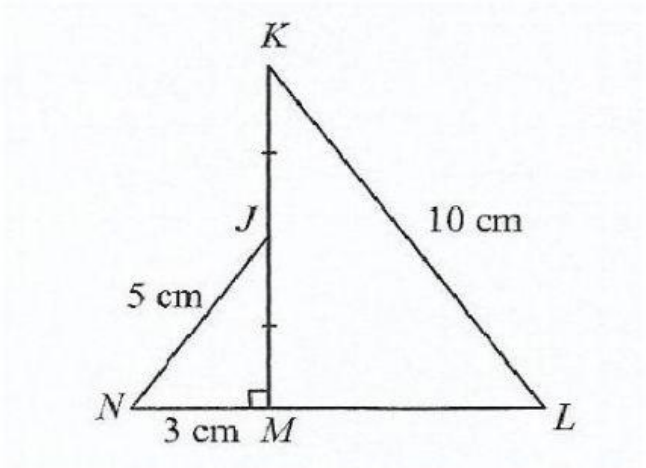


$\square^2 = 24^2 + \square^2$

$676 - \square = x^2$

$x = \sqrt{\square} = \square$ cm

Hitung panjang LM dalam rajah yang berikut. Lengkapkan langkah pengiraan yang diberi.



$5^2 = 3^2 + JM^2$

$25 - \square = JM^2$

$JM = \sqrt{\square} = \square$ cm

Panjang KM = $\square$ cm

$KL^2 = KM^2 + LM^2$

$100 - \square = LM^2$

$\square = LM^2$

$LM = \sqrt{\square}$

$= \square$ cm