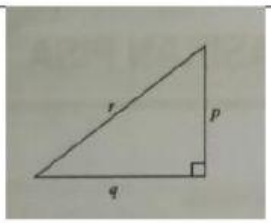
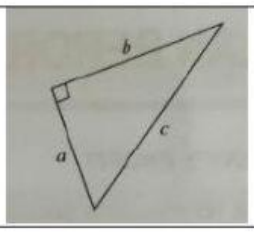
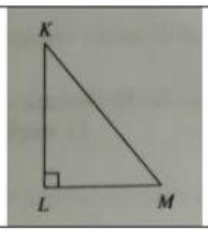
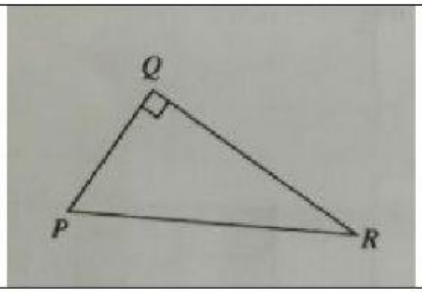
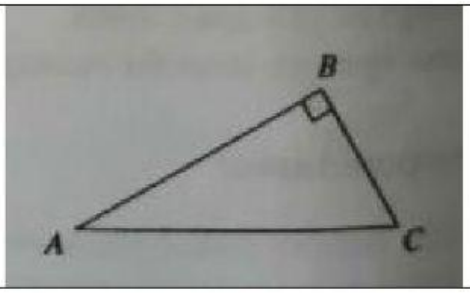
BAB 13: TEOREM PYTHAGORAS

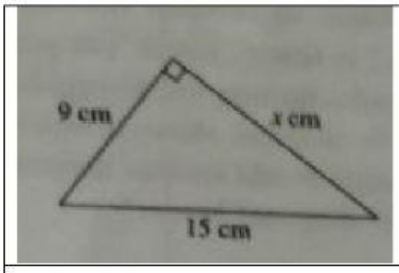
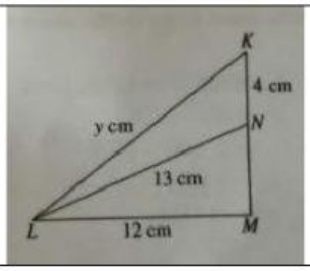
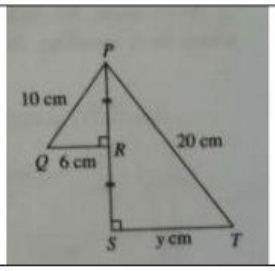
1. Kenal pasti dan nyatakan hipotenus bagi setiap segi tiga bersudut tegak berikut.

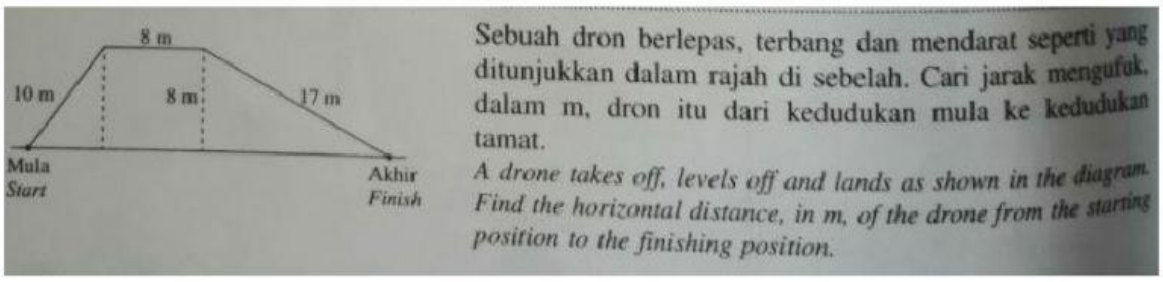
		
Hipotenus =	Hipotenus =	Hipotenus =

2. Lengkapkan hubungan antara panjang sisi-sisi bagi setiap segi tiga bersudut tegak yang berikut dengan menggunakan Teorem Pythagoras.

	
PR^2 =	**AB^2 =**

3. Cari nilai x atau y bagi setiap rajah berikut. Tulis nilai x atau y sahaja di ruangan jawapan. Anda tidak perlu menulis jalan kerja. Contoh jawapan : x = 28

		
X =	Y =	Y =

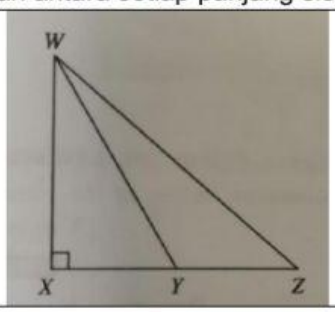
4. 

Sebuah dron berlepas, terbang dan mendarat seperti yang ditunjukkan dalam rajah di sebelah. Cari jarak mengufuk, dalam m, dron itu dari kedudukan mula ke kedudukan tamat.

A drone takes off, levels off and lands as shown in the diagram. Find the horizontal distance, in m, of the drone from the starting position to the finishing position.

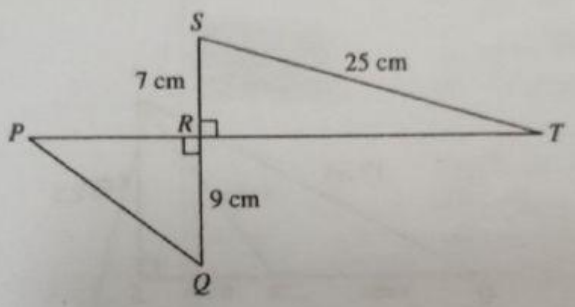
Jarak mengufuk dron itu dari kedudukan mula ke kedudukan tamat ialah

5. Lengkapkan hubungan antara setiap panjang sisi bagi segi tiga bersudut tegak berikut.



i) $WY^2 = WX^2 +$
ii) $XZ^2 =$ $- WX^2$
iii) $WZ^2 = WX^2 +$

6. Dalam rajah di bawah, *PRT* dan *QRS* ialah garis lurus. Panjang *RT* adalah dua kali panjang *PR*.
In the diagram, PRT and QRS are straight lines. The length of RT is twice the length of PR.

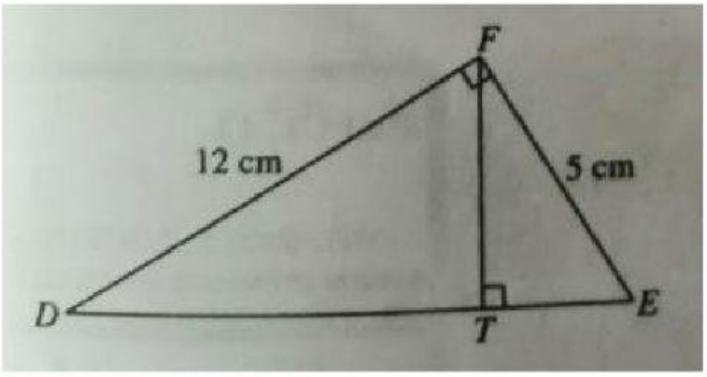


Hitung panjang, dalam cm, bagi
Calculate the length, in cm, of

(i) *RT*, (ii) *PQ*.

i)	RT =
ii)	PQ =

7. Dalam rajah di bawah **sudut DFE = sudut FTE = 90˚**. Cari panjang **FT**. Jawapan dalam 2 tempat perpuluhan.



FT =

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