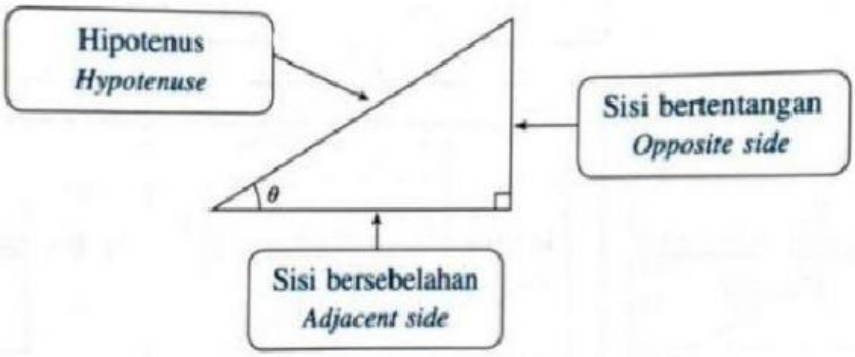
Tingkatan 3

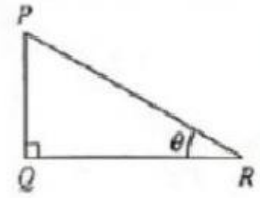
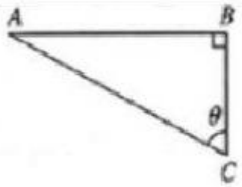
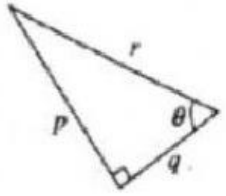
Bab 5: Nisbah Trigonometri

5.1 SINUS, KOSINUS DAN TANGEN BAGI SUDUT TIRUS DALA SEGI TIGA BERSUDUT TEGAK



1. **Bagi setiap segi tiga bersudut tegak berikut, kenal pasti hipotenus, sisi bertenatngan dan sisi bersebelahan .**

(Tulis jawapan berpandukan huruf dalam rajah mengikut susunan abjad)

Segi tiga	Hypotenus	Sisi bertentangan	Sisi bersebelahan
			
			
			

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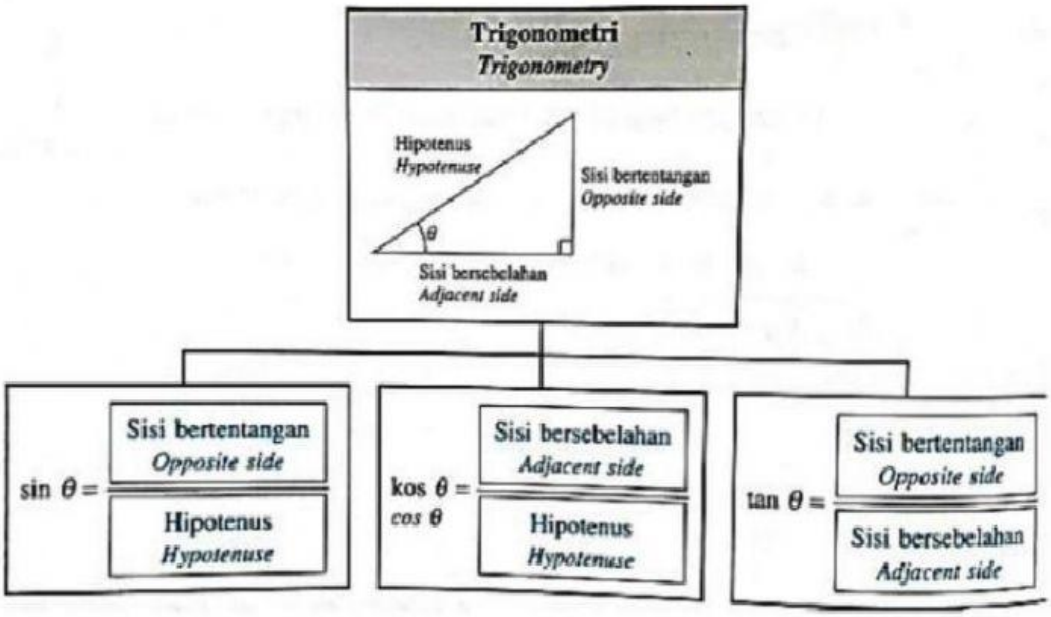
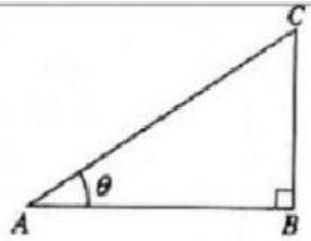
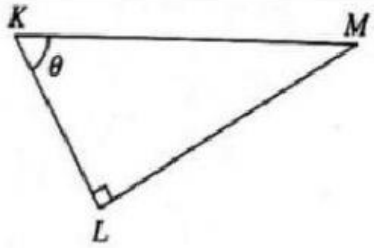
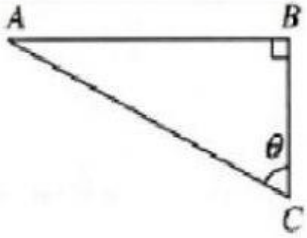


2. Tentukan sin θ, kos θ , dan tan θ bagi rajah di bawah.

(Tulis jawapan berpandukan huruf dalam rajah ikut susunan abjad. Contoh BC/AC)

Rajah	sin θ	kos θ	tan θ
			
			
			

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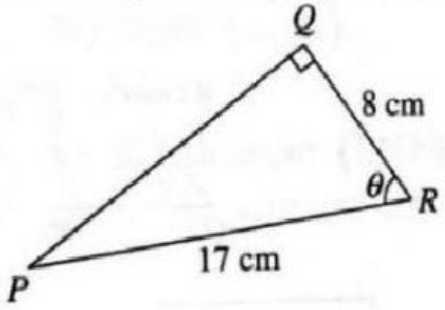
3. Cari nilai bagi sin θ bagi rajah di bawah.

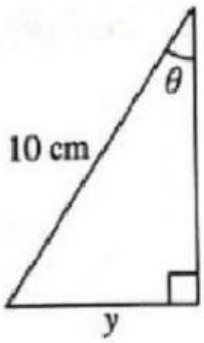


Jawapan:

sin θ = ...

(Tulis jawapan dalam pecahan . Contoh 5/13)

4. Cari nilai *y* bagi segi tiga bersudut tegak di bawah.
Diberi sin θ = 0.35.

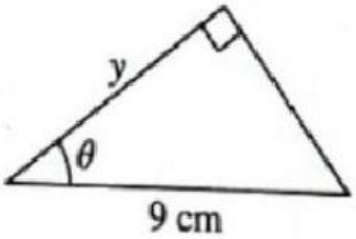


Jawapan:

y = ... cm

(Tulis angka dalam 1 t.p)

5. Cari nilai *y* bagi segi tiga bersudut tegak di bawah.
Diberi kos θ = 0.8

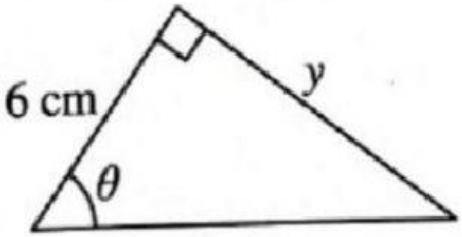


Jawapan:

y = ... cm

(Tulis angka dalam 1 t.p)

6. Cari nilai *y* bagi segi tiga bersudut tegak di bawah.
Diberi tan θ = 1.4



Jawapan:

y = ... cm

(Tulis angka dalam 1 t.p)

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7. Cari nilai bagi $3\tan 45^0 - 4\sin 30^0$.

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8. Cari nilai bagi $\dfrac{3\tan 45^0}{kos\,60^0} + 2\sin 30^0$.

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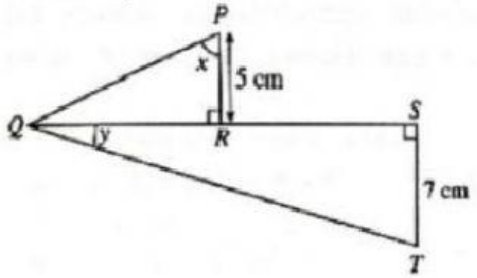
9. Dalam rajah di bawah , QRS ialah garis lurus. Diberi QR = RS dan kos x = $\frac{5}{13}$.

Cari nilai y.



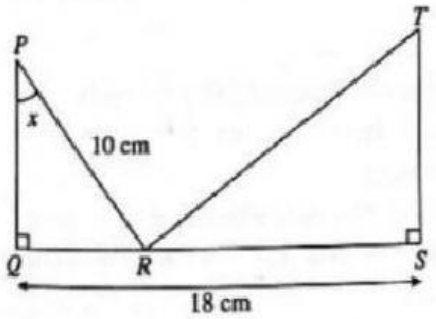
^{0}

.....

(Tulis sudut dalam 2 t.p)

10. Dalam rajah di bawah , QRS ialah garis lurus. Diberi PRT = 25 cm dan sin x = $\frac{3}{5}$.

Cari tan x.



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(Tulis nilai tan x dalam 2 t.p)

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