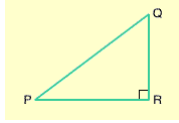


Maths

Trigonometry - Higher

Test Bite

Questions 1-3 refer to the diagram below:



1. Which side is opposite angle P?

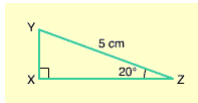
- PQ
- QR
- PR

2. Which side is adjacent to angle Q?

- PQ
- QR
- PR

3. Which side is the hypotenuse?

- PQ
- QR
- PR

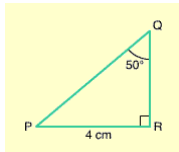


4. Which formula would you use to find XZ?

$\sin = \frac{\text{opposite}}{\text{hypotenuse}}$

$\cos = \frac{\text{adjacent}}{\text{hypotenuse}}$

$\tan = \frac{\text{opposite}}{\text{adjacent}}$

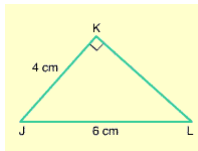


5. Which formula would you use to find QR?

$\sin = \frac{\text{opposite}}{\text{hypotenuse}}$

$\cos = \frac{\text{adjacent}}{\text{hypotenuse}}$

$\tan = \frac{\text{opposite}}{\text{adjacent}}$



6. Find angle J

$\sin = \frac{\text{opposite}}{\text{hypotenuse}}$

$\cos = \frac{\text{adjacent}}{\text{hypotenuse}}$

$\tan = \frac{\text{opposite}}{\text{adjacent}}$

In questions 7-10, calculate the required side or angle, giving your answers correct to 3 s.f.

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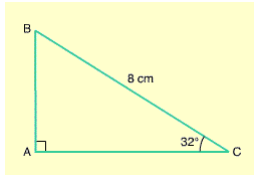


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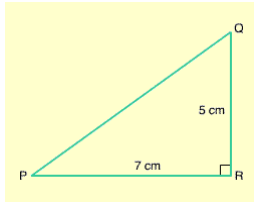
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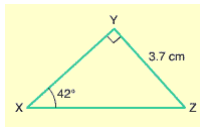
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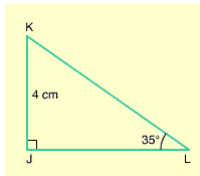
7. Find AC _____ cm



8. Find angle P _____ °



9. Find XY _____ cm



10. Find the length of the hypotenuse. _____ cm

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