

## Trigonometric Ratios

### Solve the questions

1. If  $\triangle ABC$  is a right angled triangle at B and its base is 7cm and perpendicular is 4cm. Determine the value of  $\cos B$  and  $\tan B$ .
2. If  $\triangle PQR$  right angled at Q with base 3cm and hypotenuse 7cm. Calculate the value of  $\cot Q$  and  $\sec Q$ .
3. In  $\triangle LMN$  has  $\angle M = 90^\circ$  with hypotenuse 13cm and base 12cm. Find all trigonometric ratios.
4. In  $\triangle ABC$  with  $\angle B = 90^\circ$ . Find hypotenuse if base is 7cm and perpendicular is 24cm.
5. In  $\triangle PQR$  with  $\angle Q = 90^\circ$ , base = 2cm and perpendicular = 4cm. Calculate  $\sin P$  and  $\tan P$ .