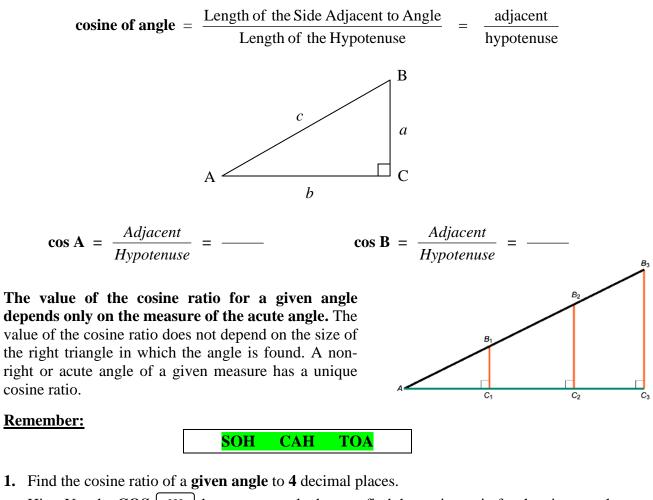
Worksheet 3-3: Cosine Ratio

In a right triangle, the cosine ratio of each non-right angle is given by:



Hint: Use the **COS** key on your calculator to find the cosine ratio for the given angle.

(c) 55°

(a) 40° (b) 88°

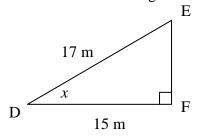
2. Find the angle to the nearest degree of a given cosine ratio.

Hint: Use the **COS**⁻¹ **2**nd **cos** key on your calculator to find the degree measure of the angle for the given cosine ratio.

(a) Find $\angle A$ when $\cos A = 0.7821$ (b) Find $\angle B$ when $\cos B = 0.9998$

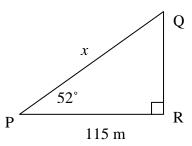
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3. Find the angle using cosine ratio. Correct to nearest degree.





4. Find side length with a given angle. Correct to nearest unit.



Solve Right Triangles Using Cosine Ratios

5. For \triangle ABC, find the unknown angles and side lengths. Correct answers to the nearest degree or tenth of a metre.

