Worksheet 3-2: Sine Ratio

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



Find the sine ratio of a given angle to 4 decimal places.
Hint: Use the SIN SIN key on your calculator to find the sine ratio for the given angle.

(a) 40° (b) 88° (c) 55°

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

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

(a) Find $\angle A$ when sin A = 0.7821 (b) Find $\angle B$ when sin B = 0.5199

(c) Find $\angle C$ when sin C = 0.9994

(d) Find $\angle D$ when sin D = 0.8191

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





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



Solve Right Triangles Using Sine Ratios

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

