NAME:_____SCHOOL/SCORE:_____

A. Complete the sentence:
   In a right triangle having an acute angle,

   a. the sine θ is the ratio between _____and _____.

   b. the cosine θ is the ratio between _____and _____.

   c. the tangent θ is the ratio between _____ and _____.
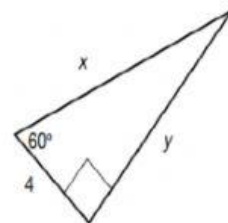
B.

   1. With respect to the given angle, what is the ratio of the hypotenuse to the opposite side?

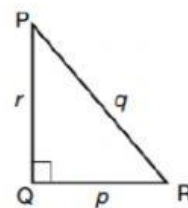   A. sine   B. cosine   C. tangent   D. cosecant

   2. Which of the following statements is correct?

      A. x = 8   B. $\sin 30° = \frac{1}{x}$ C. $\sin 60° = \frac{y}{4}$ D. $\cos 60° = \frac{y}{4}$
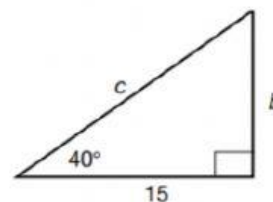
   3. If p = 30 and q = 60, what is the measure of ∠R?

      A. 40°   B. 60°   C. 52°   D. 65°

   4. Find the value of side c to the nearest unit.
      A. 20   B. 23   C. 12.59   D. 24

   5. In right triangle PQR, PQ = 12 cm and QR = 5 cm. What is cos R?

      A. $\frac{12}{13}$ B. $\frac{5}{13}$ C. $\frac{5}{12}$ D. $\frac{12}{5}$

Goodluck! Teacher Liss