

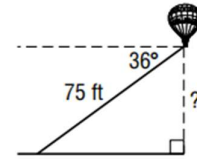
Student's Name: _____

Grade 9th

30th November, 2025

Q1)

The angle of depression from a balloon on a 75-foot string to a person on the ground is 36° . How high is the balloon?



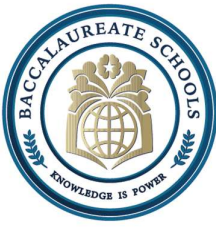
Q2) Use a calculator to find either the trigonometric ratio of the given angle, or the angle for the given ratio:

$$\sin(92.4) =$$

$$\tan(B) = 0.2356$$

$$\sin(A) = 0.7823$$

$$\cos(64.8) =$$

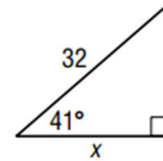
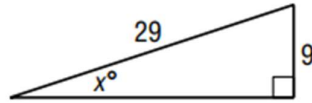
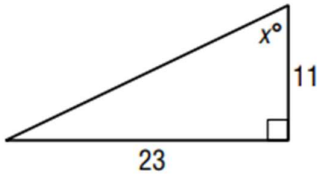


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Q3) Find the value of x



Q4) Use the figure to find the following trigonometric ratios in simplest form:

$\cos(A) =$

$\tan(B) =$

$\sin(A) =$

