

Sine and Cosine Ratios Table and Calculator Use

1. Use a calculator to determine the value of y in each of the following equations. Express angle measures to the nearest degree, and ratios to the nearest hundredth.

a. $\sin 71^\circ = y$

$$y = 0.945\dots$$

$$y = 0.95$$

b. $\cos 71^\circ = y$

$$y = 0.325\dots$$

$$y = 0.33$$

c. $\sin y = 0.39$

$$y = 22.954\dots$$

$$y = 23^\circ$$

d. $\cos y = 0.92$

$$y = 23.073\dots$$

$$y = 23^\circ$$