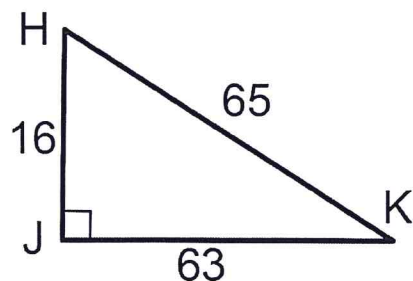


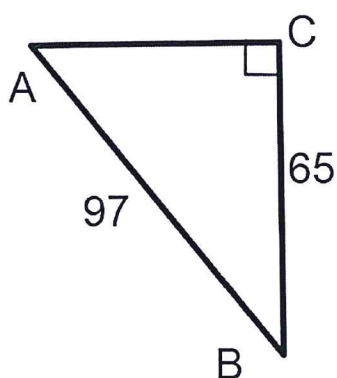
1. Use $\triangle HJK$ to find each trigonometric ratio as a fraction.

- a) $\sin H =$ b) $\cos K =$ c) $\tan K =$ d) $\cos H =$ e) $\tan H =$



2. Use $\triangle ABC$ to find each trigonometric ratio as a fraction.

- a) $\tan A =$ b) $\sin A =$ c) $\cos B =$ d) $\tan B =$ e) $\sin B =$

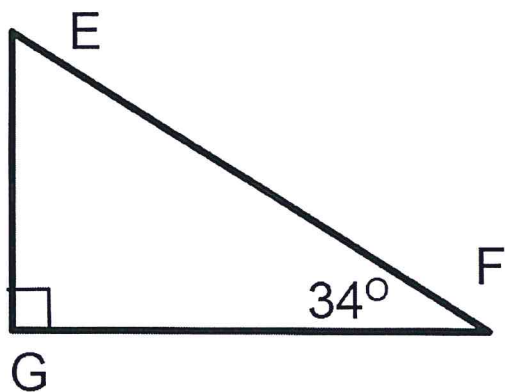


3. Solve each proportion. Round to the nearest tenth.

a) $\frac{0.89}{1} = \frac{20}{x}$ b) $\frac{1.43}{1} = \frac{x}{35}$

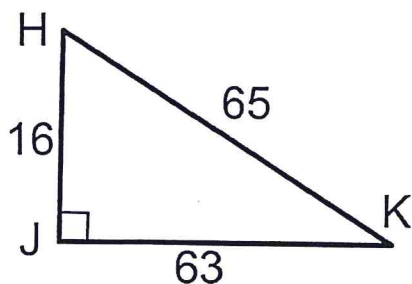
4. Find each to the nearest hundredth.

- a) $\cos E =$ b) $\tan F =$ c) $\sin E =$



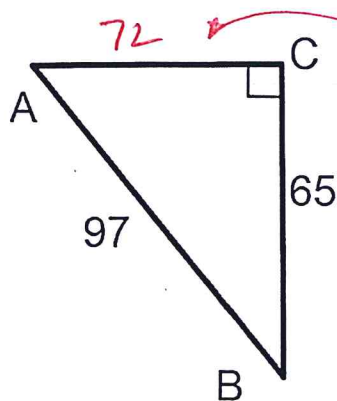
1. Use $\triangle HJK$ to find each trigonometric ratio as a fraction.

- a) $\sin H = \frac{63}{65}$ b) $\cos K = \frac{63}{65}$ c) $\tan K = \frac{16}{63}$ d) $\cos H = \frac{16}{65}$ e) $\tan H = \frac{63}{16}$



2. Use $\triangle ABC$ to find each trigonometric ratio as a fraction.

- a) $\tan A = \frac{65}{72}$ b) $\sin A = \frac{65}{97}$ c) $\cos B = \frac{65}{97}$ d) $\tan B = \frac{72}{65}$ e) $\sin B = \frac{72}{97}$



$$\begin{aligned} x^2 + 65^2 &= 97^2 \\ \sqrt{x^2} &= \sqrt{5184} \\ x &= 72 \end{aligned}$$

3. Solve each proportion. Round to the nearest tenth.

a) $\frac{0.89}{1} = \frac{20}{x}$

$x = 22.47 \rightarrow 22.5$

b) $\frac{1.43}{1} = \frac{x}{35}$

$x = 50.1$

4. Find each to the nearest hundredth.

a) $\cos E = \cos 56^\circ = 0.56$

b) $\tan F = \tan 34^\circ = 0.67$

c) $\sin E = \sin 56^\circ = 0.83$

