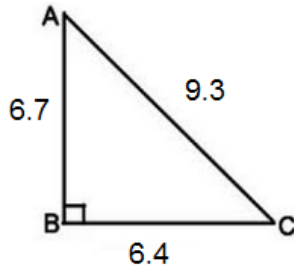


Self Check Answers

1. Find the sin, cos and tan for the acute angles. Write your answer in both fractional and decimal form (round the decimal form to the nearest thousandth).

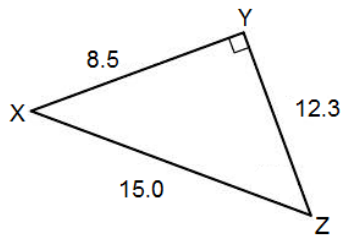
a.



$$\begin{array}{lll} \sin A = \frac{6.4}{9.3} & \cos A = \frac{6.7}{9.3} & \tan A = \frac{6.4}{6.7} \\ \sin A = 0.688 & \cos A = 0.720 & \tan A = 0.955 \end{array}$$

$$\begin{array}{lll} \sin C = \frac{6.7}{9.3} & \cos C = \frac{6.4}{9.3} & \tan C = \frac{6.7}{6.4} \\ \sin C = 0.720 & \cos C = 0.688 & \tan C = 1.0469 \end{array}$$

b.



$$\begin{array}{lll} \sin X = \frac{12.3}{15.0} & \cos X = \frac{8.5}{15.0} & \tan X = \frac{12.3}{8.5} \\ \sin X = 0.820 & \cos X = 0.567 & \tan X = 1.447 \end{array}$$

$$\begin{array}{lll} \sin Z = \frac{8.5}{15.0} & \cos Z = \frac{12.3}{15.0} & \tan Z = \frac{8.5}{12.3} \\ \sin Z = 0.567 & \cos Z = 0.820 & \tan Z = 0.691 \end{array}$$