

Finding Trig Values of Triangles with Given Side Lengths

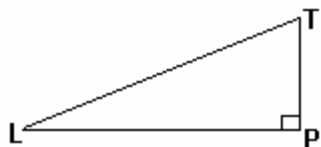
Round your answers in the following problems to the nearest thousandth, if necessary.

1. Find $\sin T$.

$$\overline{LP} = 4.5$$

$$\overline{TP} = 3.1$$

$$\overline{LT} = 5.5$$

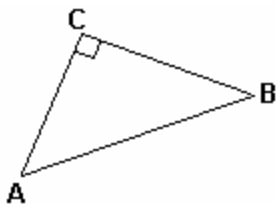


2. Find $\tan B$.

$$\overline{AC} = 11.7$$

$$\overline{BC} = 12.1$$

$$\overline{AB} = 16.8$$

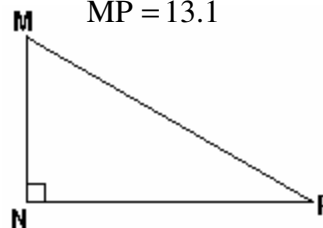


3. Find $\cos P$.

$$\overline{MN} = 7.8$$

$$\overline{NP} = 10.5$$

$$\overline{MP} = 13.1$$

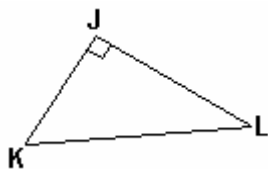


4. Find $\cos L$.

$$\overline{JK} = 17.3$$

$$\overline{JL} = 18.4$$

$$\overline{KL} = 25.3$$

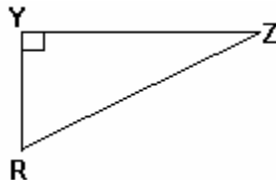


5. Find $\sin R$.

$$\overline{YR} = 0.42$$

$$\overline{YZ} = 0.91$$

$$\overline{RZ} = 1.00$$

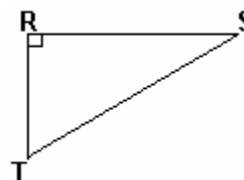


6. Find $\tan S$.

$$\overline{RS} = 4.7$$

$$\overline{RT} = 3.1$$

$$\overline{ST} = 5.6$$

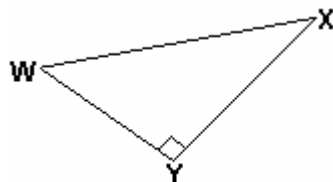


7. Find $\tan X$.

$$\overline{WY} = 21.8$$

$$\overline{YX} = 26.7$$

$$\overline{WX} = 34.5$$

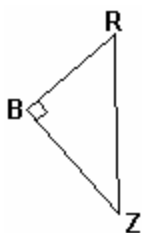


8. Find $\cos Z$.

$$\overline{BR} = 0.94$$

$$\overline{BZ} = 1.15$$

$$\overline{RZ} = 1.49$$



9. Find $\sin H$.

$$\overline{FG} = 6.2$$

$$\overline{GH} = 8.2$$

$$\overline{FH} = 10.3$$

