
1. If $\triangle ABC \sim \triangle SPK$, which proportion must be true? Sketch and label a picture to help you determine the correct answer. A. $\frac{AB}{SP} = \frac{BC}{SK}$ B. $\frac{AB}{BC} = \frac{PK}{SP}$ C. $\frac{AC}{SK} = \frac{BC}{SK}$ D. $\frac{AB}{BC} = \frac{SP}{PK}$	2. The ratio of the measures of the angles of a triangle is 1:3:5. Find the measure of all three angles.
3. A postage stamp 25 millimeters wide and 40 millimeters tall is enlarged to make a poster. The poster is 4 feet wide. Find the height of the poster.	4. A model of a lighthouse has a height of 18 inches and a base with a width of 8 inches. If the width of the base of the actual lighthouse is 20 feet, find the lighthouse's height.
5. The perimeter of a rectangle is 336 inches. The ratio of the length to the width is 9:5. Find the length of the rectangle.	6. Determine whether the following triangles are similar. Justify your answer. $A \xrightarrow{6} \xrightarrow{6} \xrightarrow{9} \xrightarrow{6} \xrightarrow{4} \xrightarrow{5} \xrightarrow{1} \xrightarrow{2} \xrightarrow{5} \xrightarrow{5} \xrightarrow{5} \xrightarrow{5} \xrightarrow{5} \xrightarrow{5} \xrightarrow{5} 5$



