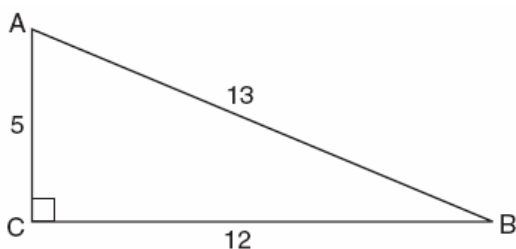


A.A.42: Find the sine, cosine, and tangent ratios of an angle of a right triangle, given the lengths of the sides.

1. 080414a, P.I. A.A.42

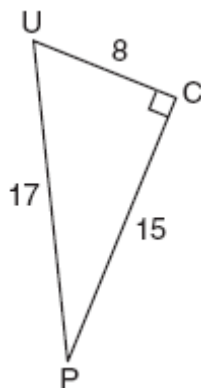
Which ratio represents $\cos A$ in the accompanying diagram of $\triangle ABC$?



- [A] $\frac{12}{5}$ [B] $\frac{13}{5}$ [C] $\frac{5}{13}$ [D] $\frac{12}{13}$

2. 010919ia, P.I. A.A.42

The diagram below shows right triangle UPC .



Which ratio represents the sine of $\angle U$?

- [A] $\frac{8}{15}$ [B] $\frac{15}{17}$ [C] $\frac{8}{17}$ [D] $\frac{15}{8}$

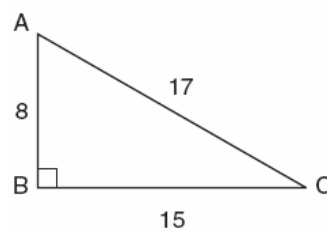
3. fall0721ia, P.I. A.A.42

In triangle MCT , the measure of $\angle T = 90^\circ$, $MC = 85$ cm, $CT = 84$ cm, and $TM = 13$ cm. Which ratio represents the sine of $\angle C$?

- [A] $\frac{13}{84}$ [B] $\frac{84}{85}$ [C] $\frac{84}{13}$ [D] $\frac{13}{85}$

4. 010316a, P.I. A.A.42

In the accompanying diagram of right triangle ABC , $AB = 8$, $BC = 15$, $AC = 17$, and $m\angle ABC = 90$.



What is $\tan \angle C$?

- [A] $\frac{17}{15}$ [B] $\frac{8}{17}$ [C] $\frac{15}{17}$ [D] $\frac{8}{15}$

A.A.42: Find the sine, cosine, and tangent ratios of an angle of a right triangle, given the lengths of the sides.

[1] C _____

[2] B _____

[3] D _____

[4] D _____