

## Section 8-4: The Sine and Cosine Ratios

### The Sine Ratio

1. fall0721ia, P.I. A.A.42

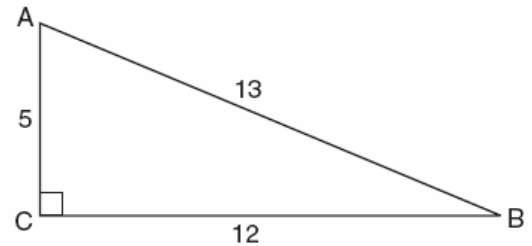
In triangle  $MCT$ , the measure of  $\angle T = 90^\circ$ ,  
 $MC = 85$  cm,  $CT = 84$  cm, and  $TM = 13$  cm.  
Which ratio represents the sine of  $\angle C$ ?

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

### The Cosine Ratio

2. 080414a, P.I. A.A.42

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



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

[1] A

[2] D