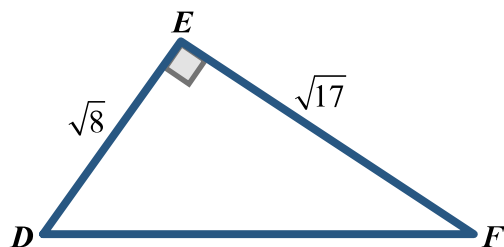


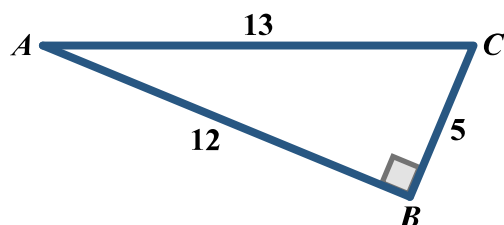
USING TRIG RATIOS

- 1) In $\triangle DEF$ shown below, $\overline{DE} = \sqrt{8} \text{ cm}$ and $\overline{EF} = \sqrt{17} \text{ cm}$. What is $\cos(F)$?



- 3) For an angle with measure θ in a right triangle, $\sin \theta = \frac{\sqrt{15}}{8}$ and $\cos \theta = \frac{7}{8}$. What is the value of $\tan \theta$?

- 2) The lengths of 3 sides of a right triangle $\triangle ABC$, which is shown below, are all given in feet.



Which ratio has the value of $\frac{12}{13}$?

- (a) $\sin(A)$
- (b) $\sin(C)$
- (c) $\cos(B)$
- (d) $\cos(C)$
- (e) $\tan(A)$
- (f) $\tan(C)$

- 4) In $\triangle LMN$ shown below, the length of $\overline{LM}$ is 8 inches and $\sin(N) = \frac{2}{3}$. What is the length, in inches, of $\overline{LN}$?

