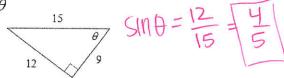
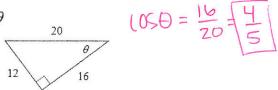
## Find the value of the trig function indicated.

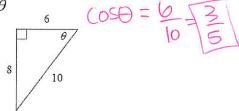
1) 
$$\sin \theta$$



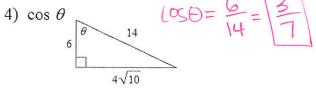
2) 
$$\cos \theta$$



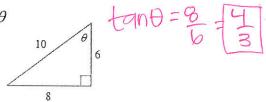
3) 
$$\cos \theta$$

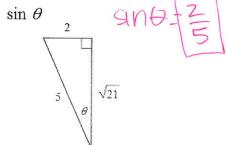


4) 
$$\cos \theta$$

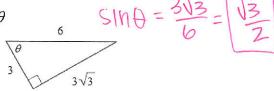


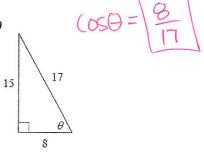
5) 
$$\tan \theta$$



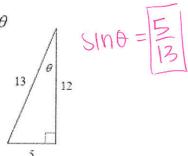


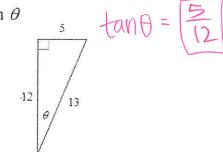
7) 
$$\sin \theta$$

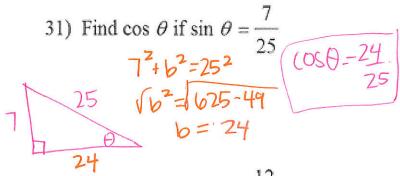




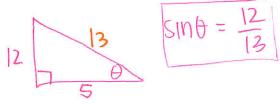
9) 
$$\sin \theta$$



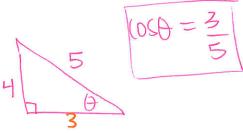




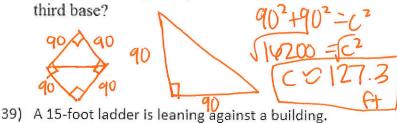
33) Find  $\sin \theta$  if  $\tan \theta = \frac{12}{5}$ 



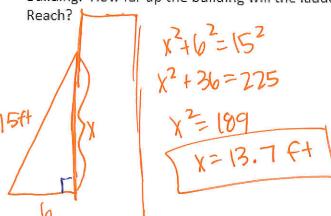
35) Find  $\cos \theta$  if  $\sin \theta = \frac{4}{5}$ 



37) A baseball diamond is a square with sides of 90 feet. What is the shortest distance, to the nearest tenth of a foot, between first base and third base?



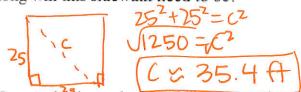
39) A 15-foot ladder is leaning against a building.
The bottom of the ladder is 6 feet from the
Building. How far up the building will the ladder



- 32) Find  $\tan \theta$  if  $\cos \theta = \frac{4}{5}$ 
  - 34) Find  $\sin \theta$  if  $\cos \theta = \frac{5}{13}$



- 36) Find  $\cos \theta$  if  $\tan \theta = \frac{3}{2}$   $2^{2}+3^{2}=c^{2}$   $4+9=c^{2}$   $13=c^{2}$   $\sqrt{13}=c$  2  $\sqrt{13}=\sqrt{13}$   $\sqrt{13}=\sqrt{13}$
- 38) You have a square garden that is 25 feet on each side. You want to construct a sidewalk that goes from one corner to the other. How long will this sidewalk need to be?



O) Oscar's dog house is shaped like a tent. The slanted sides are both 5 feet long and the bottom of the house is 6 feet across. What is the height of the dog house, in feet, at its tallest point?

