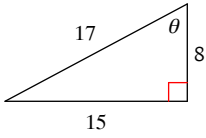


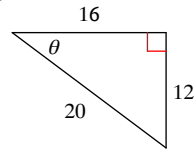
9.2: Trig Ratios

Find the value of the trig function indicated.

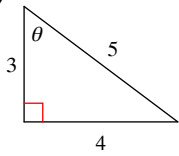
1)  $\sin \theta$



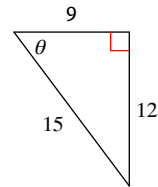
2)  $\sin \theta$



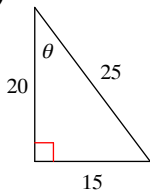
3)  $\tan \theta$



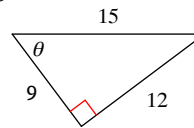
4)  $\tan \theta$



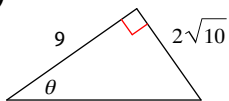
5)  $\tan \theta$



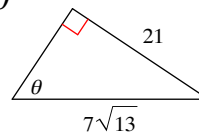
6)  $\sin \theta$



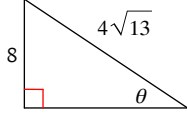
7)  $\tan \theta$



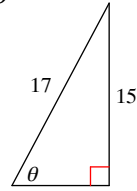
8)  $\sin \theta$



9)  $\sin \theta$



10)  $\tan \theta$



**Given a trig ratio, draw the right triangle and find the value of the desired ratio.**

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

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

13) Find  $\sin \theta$  if  $\tan \theta = \frac{3}{4}$

**Solve each equation with the quadratic formula.**

14)  $2v^2 - 4v - 16 = 0$

15)  $2v^2 - 2v - 4 = 0$