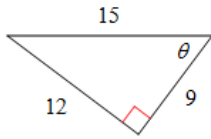


Name: \_\_\_\_\_ Hour: \_\_\_\_\_

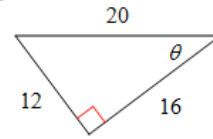
WS 11.1 - Finding Trig Ratios

**Find the value of the trig function indicated.**

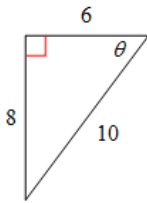
1)  $\sin \theta$



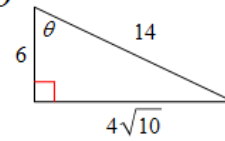
2)  $\cos \theta$



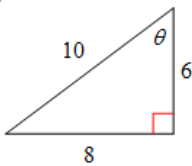
3)  $\cos \theta$



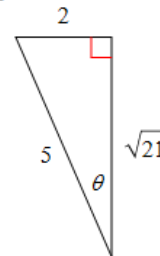
4)  $\cos \theta$



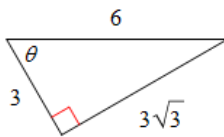
5)  $\tan \theta$



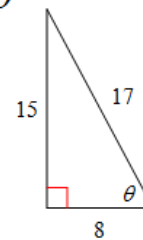
6)  $\sin \theta$



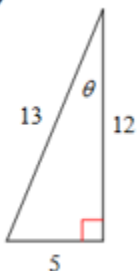
7)  $\sin \theta$



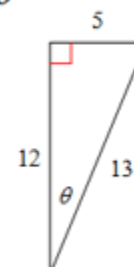
8)  $\cos \theta$



9)  $\sin \theta$



10)  $\tan \theta$



31) Find  $\cos \theta$  if  $\sin \theta = \frac{7}{25}$

32) Find  $\tan \theta$  if  $\cos \theta = \frac{4}{5}$

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

34) Find  $\sin \theta$  if  $\cos \theta = \frac{5}{13}$

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

36) Find  $\cos \theta$  if  $\tan \theta = \frac{3}{2}$

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?

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?

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 reach?

40) 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?