

Finding angle measures with trigonometric ratios.

1. Use inverse functions to solve each equation for θ . SHOW YOUR WORK

a. $\sin \theta = \frac{4}{9}$

b. $\cos \theta = \frac{2}{5}$

c. $\tan \theta = 3$

d. $\sin \theta = \frac{1}{3}$

e. $\cos \theta = \frac{6}{25}$

f. $\tan \theta = \frac{26}{25}$

2. For each right triangle, write the trig ratios using the given sides and solve for the missing angle measure θ . SHOW YOUR WORK.

