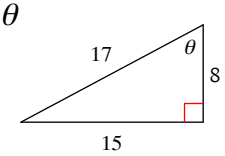
Secondary Math II Name_____ ID: 1

3-2: Trig Ratios

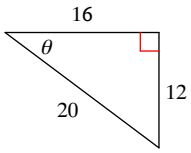
Date_____ Period____

Find the value of the trig function indicated.

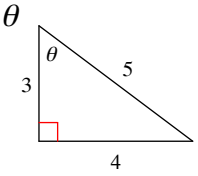
1) sin θ



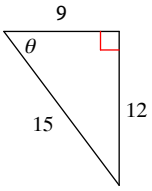
2) sin θ



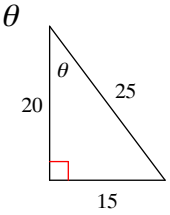
3) tan θ



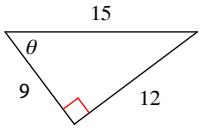
4) tan θ



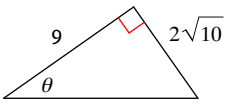
5) tan θ



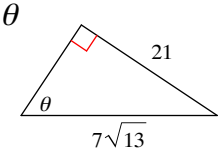
6) sin θ



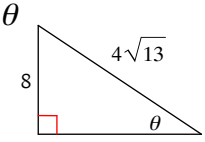
7) tan θ



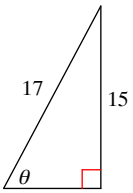
8) sin θ



9) sin θ



10) tan θ



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

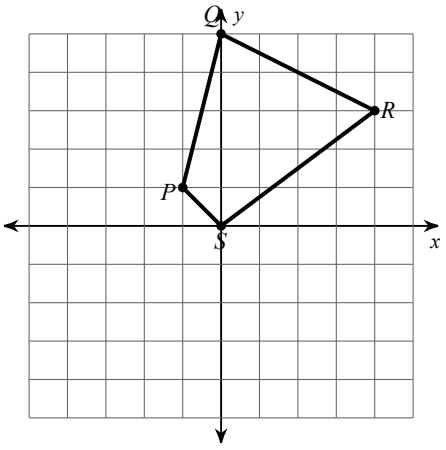
11) Find sin θ if cos $\theta = \frac{4}{5}$

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

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

Graph the image of the figure using the transformation given.

14) dilation of 0.25 about the origin



Simplify.

15) $\sqrt{343}$

16) $\sqrt{245}$