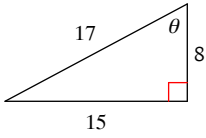


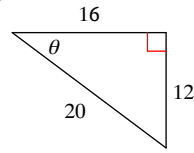
3-2: Trig Ratios

Find the value of the trig function indicated.

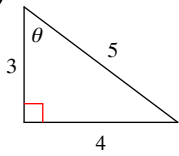
1)  $\sin \theta$



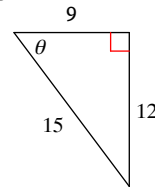
2)  $\sin \theta$



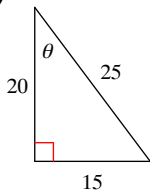
3)  $\tan \theta$



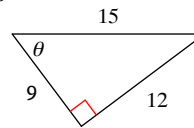
4)  $\tan \theta$



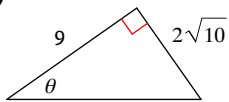
5)  $\tan \theta$



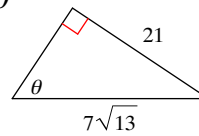
6)  $\sin \theta$



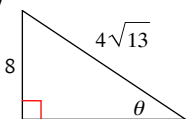
7)  $\tan \theta$



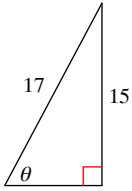
8)  $\sin \theta$



9)  $\sin \theta$



10)  $\tan \theta$



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

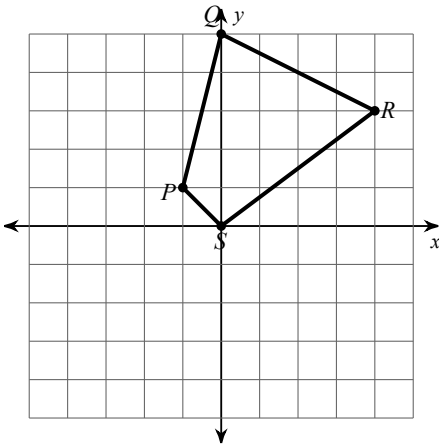
11) Find  $\sin \theta$  if  $\cos \theta = \frac{4}{5}$

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

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

Graph the image of the figure using the transformation given.

14) dilation of 0.25 about the origin



Simplify.

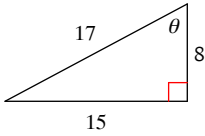
15)  $\sqrt{343}$

16)  $\sqrt{245}$

## 3-2: Trig Ratios

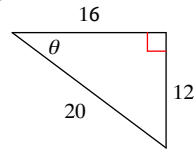
Find the value of the trig function indicated.

1)  $\sin \theta$



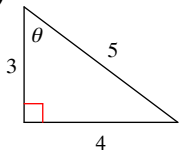
$$\frac{15}{17}$$

2)  $\sin \theta$



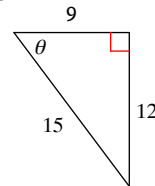
$$\frac{3}{5}$$

3)  $\tan \theta$



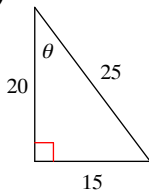
$$\frac{4}{3}$$

4)  $\tan \theta$



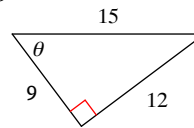
$$\frac{4}{3}$$

5)  $\tan \theta$



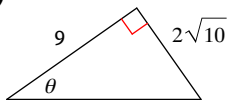
$$\frac{3}{4}$$

6)  $\sin \theta$



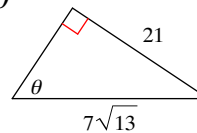
$$\frac{4}{5}$$

7)  $\tan \theta$



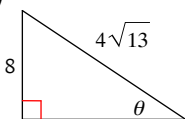
$$\frac{2\sqrt{10}}{9}$$

8)  $\sin \theta$



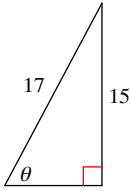
$$\frac{3\sqrt{13}}{13}$$

9)  $\sin \theta$



$$\frac{2\sqrt{13}}{13}$$

10)  $\tan \theta$



$$\frac{15}{8}$$

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

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

$$\frac{3}{5}$$

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

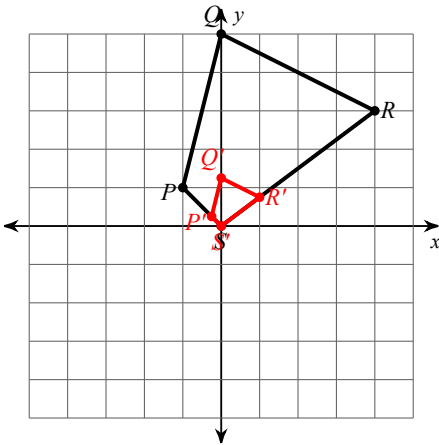
$$\frac{5}{13}$$

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

$$\frac{3}{5}$$

Graph the image of the figure using the transformation given.

14) dilation of 0.25 about the origin



Simplify.

15)  $\sqrt{343}$

$$7\sqrt{7}$$

16)  $\sqrt{245}$

$$7\sqrt{5}$$