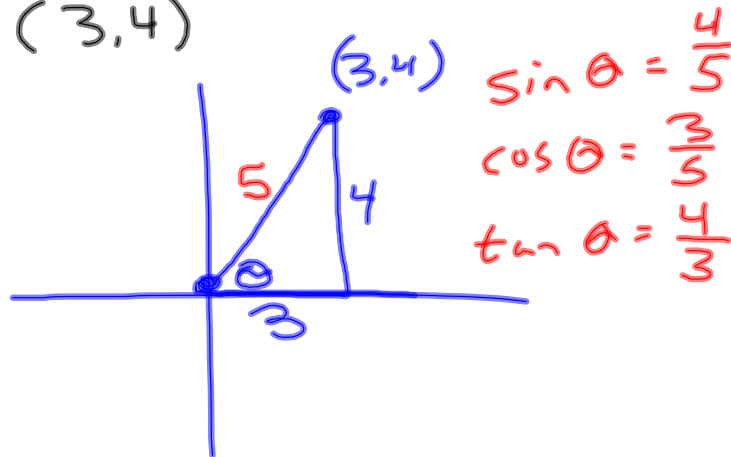


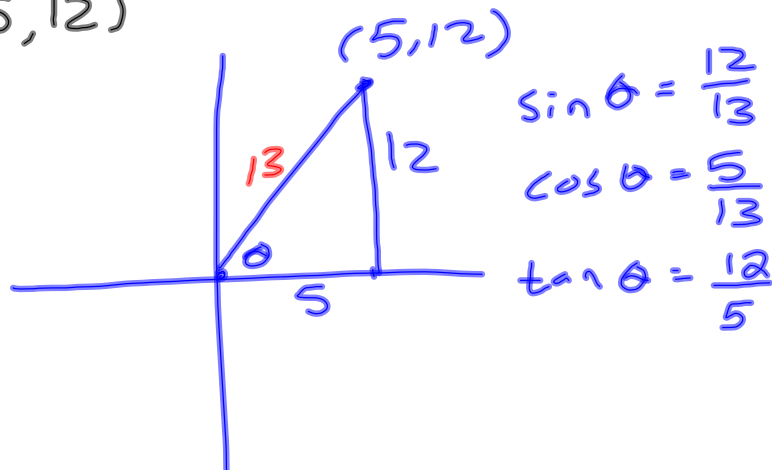
4-7-14

Find the sine and cosine of the angle with the given coordinate:

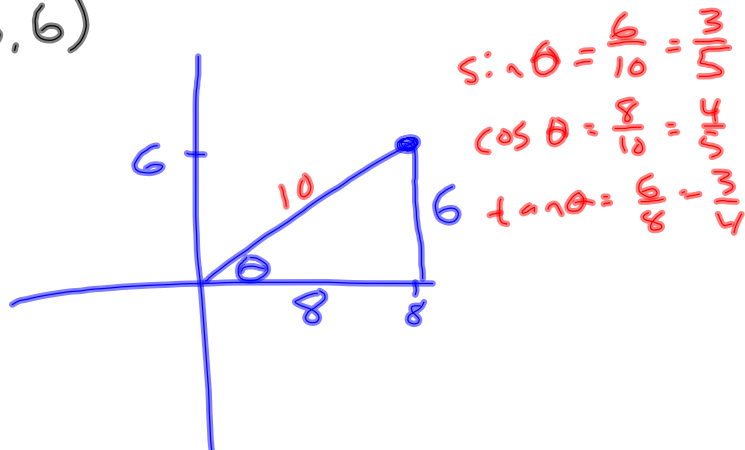
① (3,4)



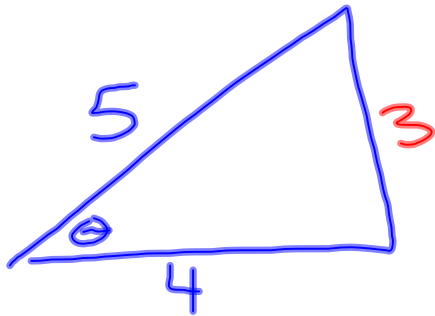
② (5,12)



③ (8,6)

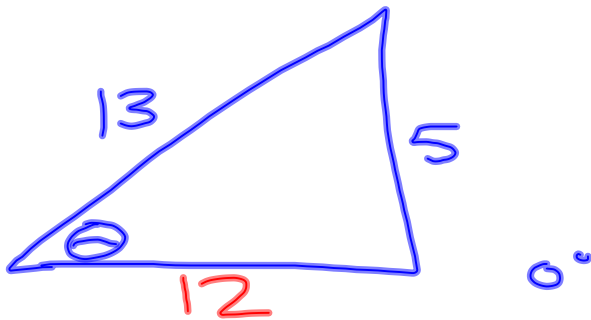


If $\cos \theta = \frac{4}{5}$, what is $\tan \theta$?



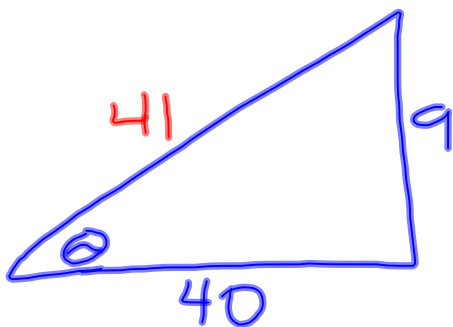
$$\tan \theta = \frac{\text{opp}}{\text{adj}} = \frac{3}{4}$$

If $\sin \theta = \frac{5}{13}$, what is $\cos \theta$?

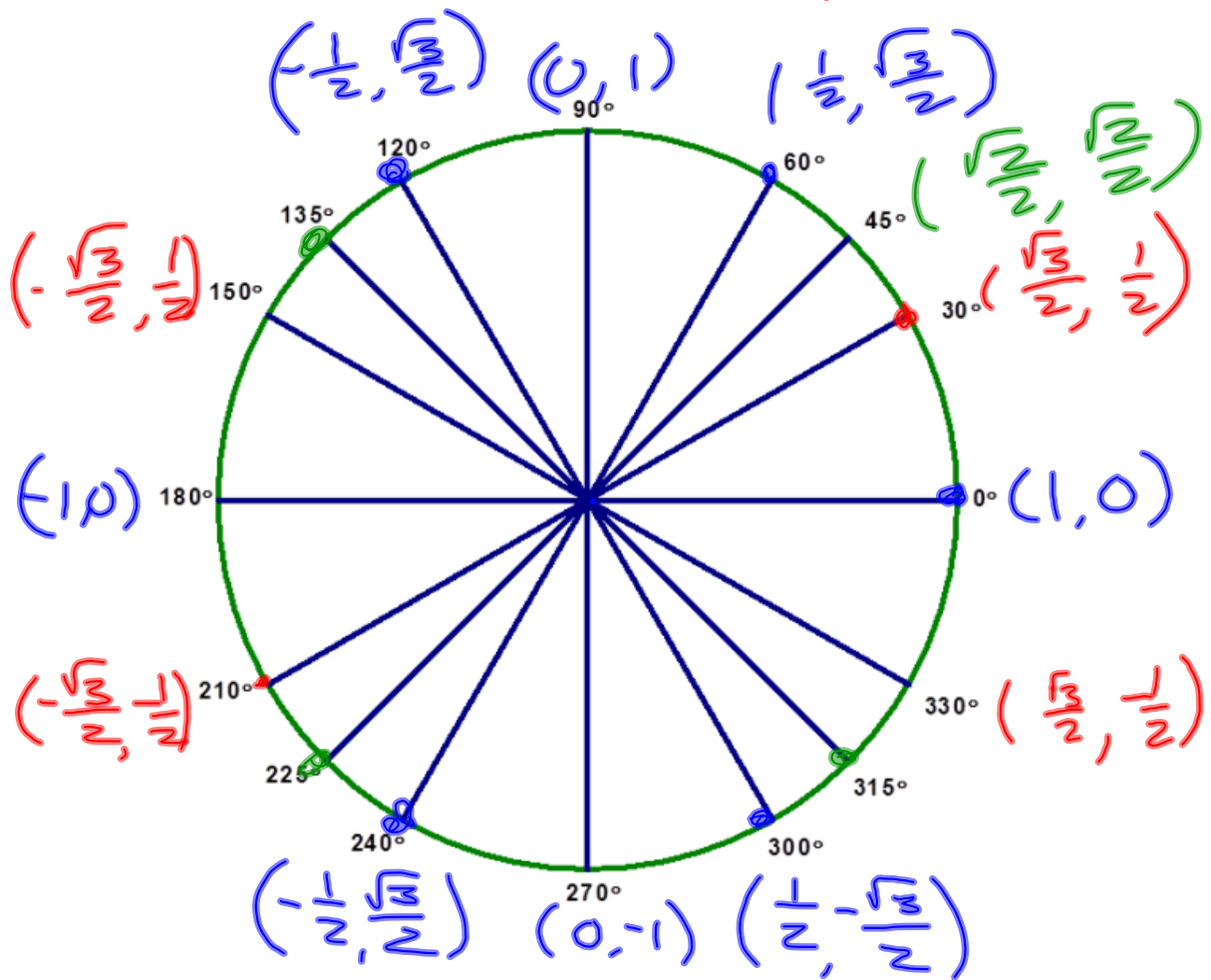
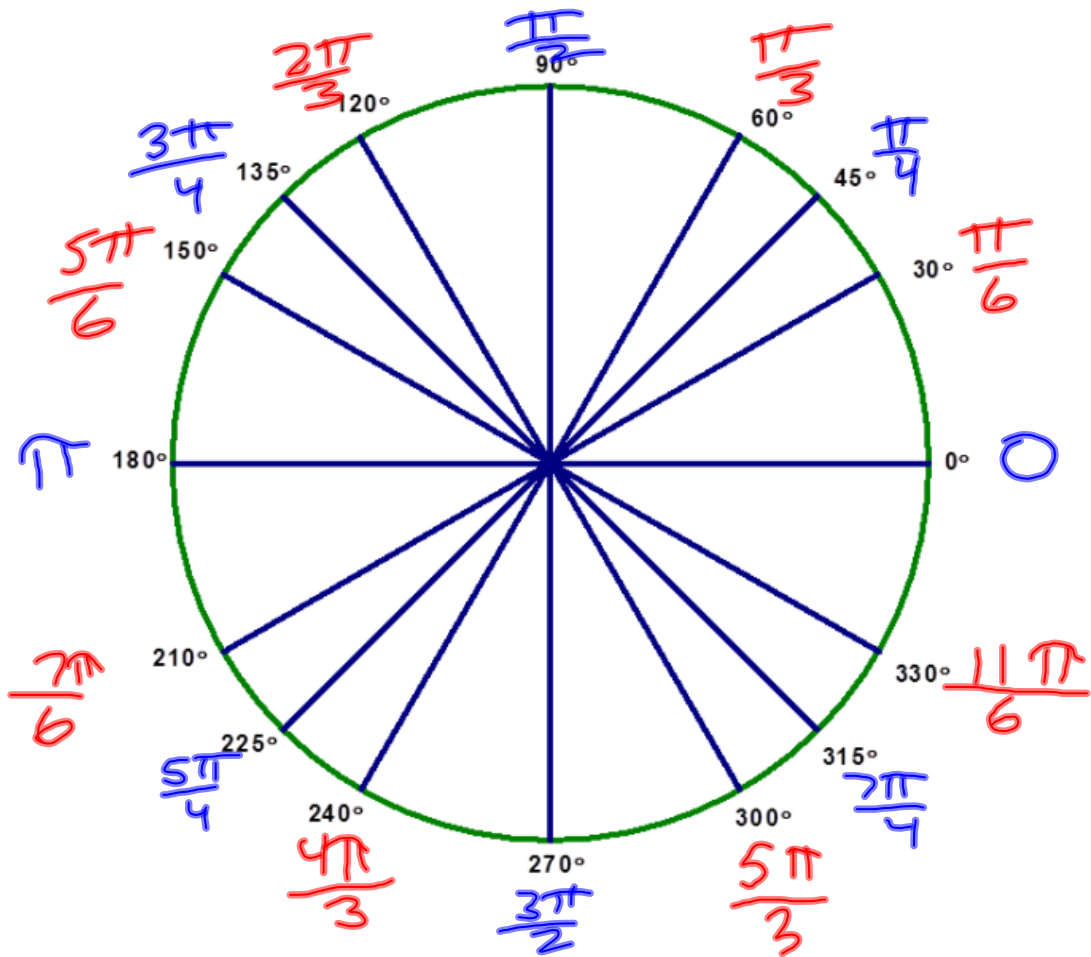


$$\cos \theta = \frac{\text{adj}}{\text{hyp}} = \frac{12}{13}$$

If $\tan \theta = \frac{9}{40}$, find $\sin \theta$?



$$\sin \theta = \frac{\text{opp}}{\text{hyp}} = \frac{9}{41}$$

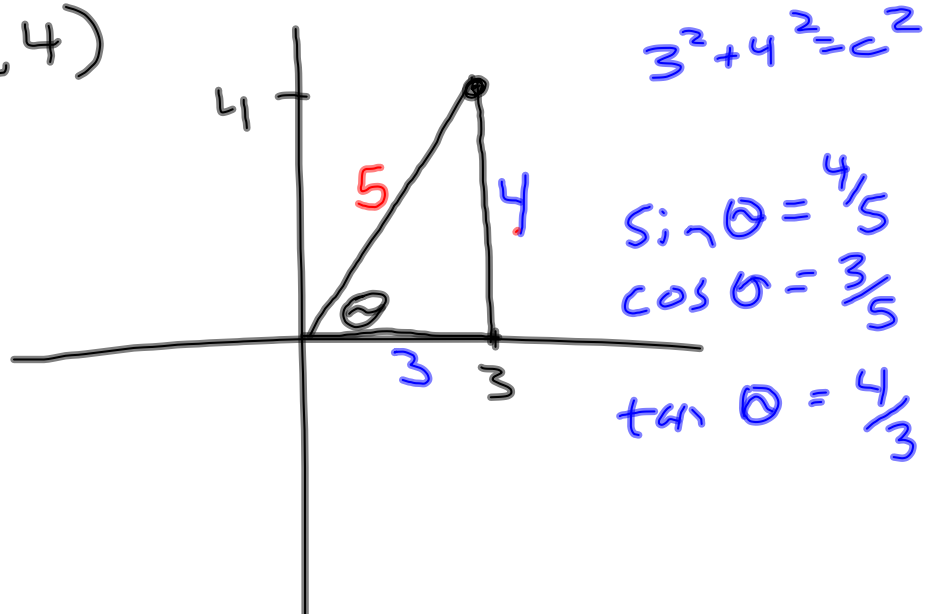


4-7-14

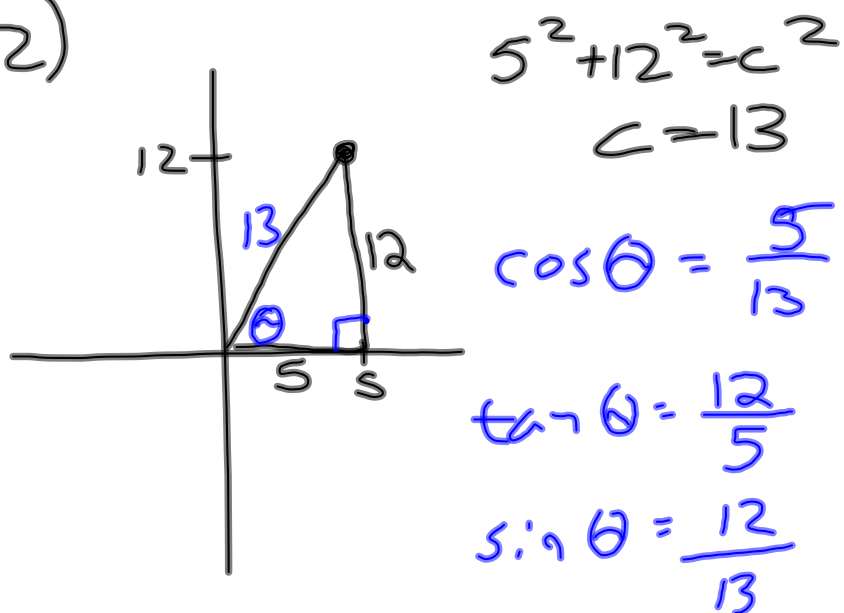
4th Trig

Find θ 's value if the point with the given coordinates lies on its terminal side.

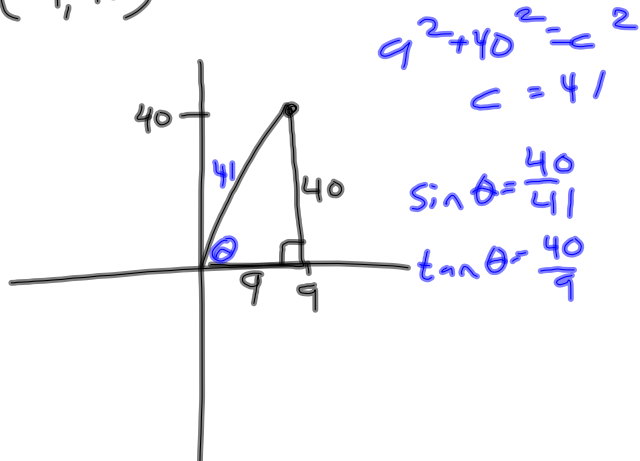
① (3,4)



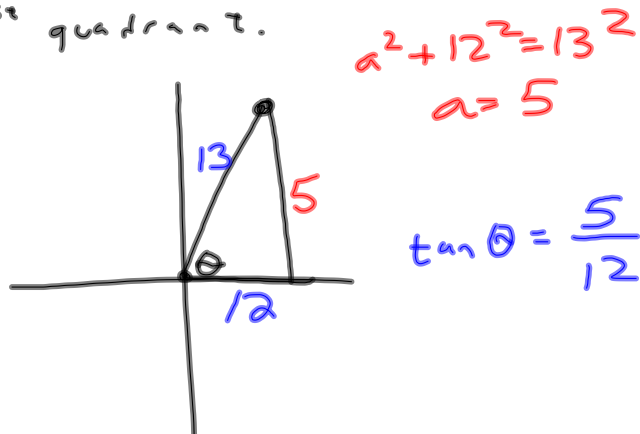
② (5,12)



③ (9, 40)



④ Find $\tan \theta$ when $\cos \theta = \frac{12}{13}$ and terminal side of θ is in 1st quadrant.



⑤ Find $\tan \theta$ when $\sin \theta = \frac{3}{5}$ and terminal side of θ is in 1st quadrant

