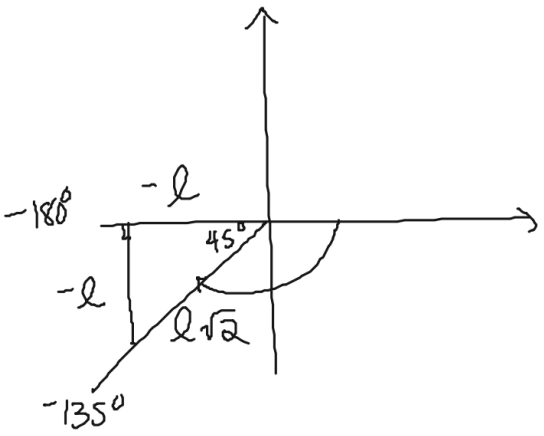
Trigonometry Review

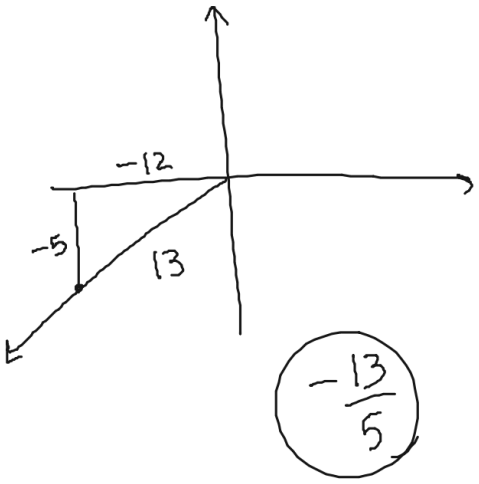
For each problem, draw a diagram. Give answers in reduced form. No calculators!

Find the exact value of tan -135°. 1

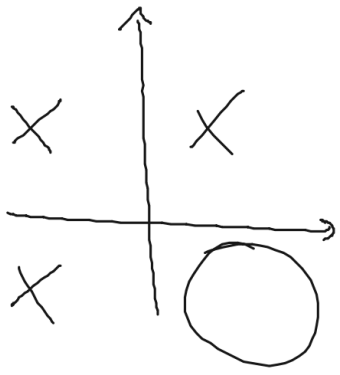


$$\frac{-\ell}{-\ell} = 1$$

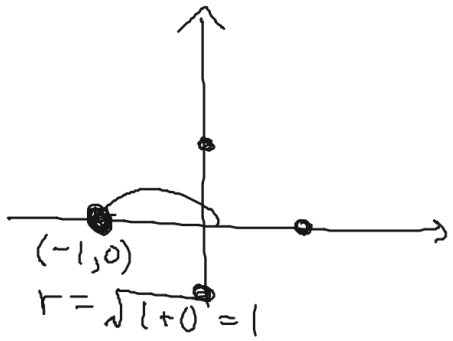
Angle A is in standard position. If the terminal side of A passes through (-12, -5), what is csc A?



In what quadrant does the terminal side of angle B lie if cos B > 0 but tan B < 0?

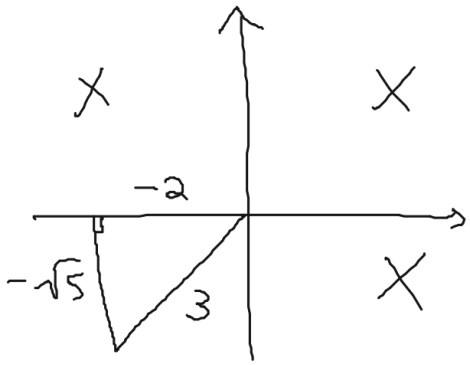


Find the exact value of sin 180°. 0



$\frac{0}{1}$

If cos C = - 2/3 and tan C > 0, find cot C.

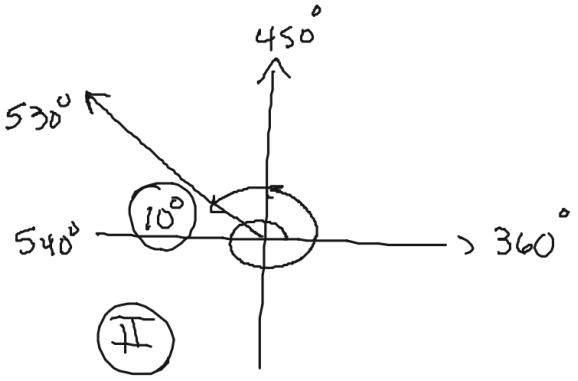


$9 = 4 + y^2$

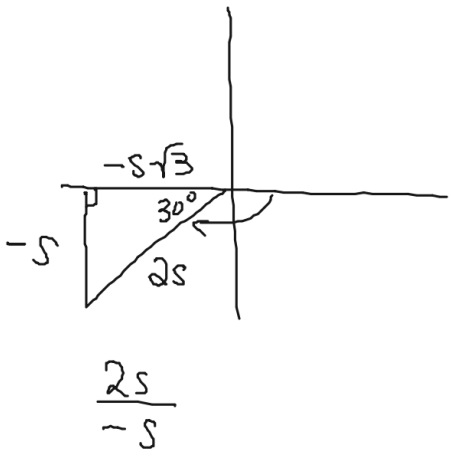
$5 = y^2$

$\frac{+2}{+\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} = \frac{2\sqrt{5}}{5}$

What is the quadrant and reference angle for 530°?



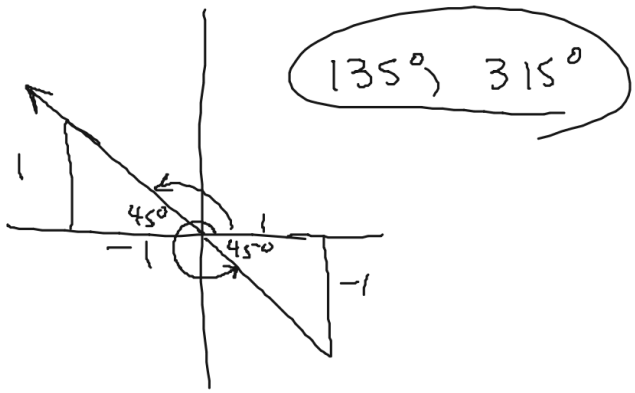
Find the exact value of csc -150°.



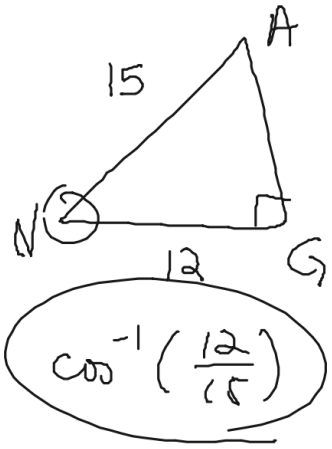
$\frac{2s}{-s}$

−2

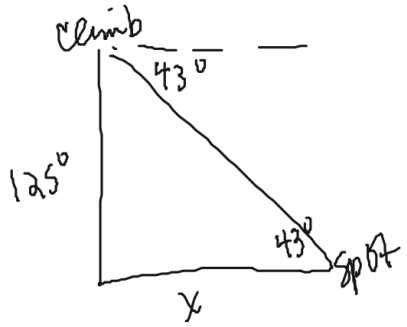
If $0 \leq C < 360°$, what are all angles C such that $\tan C = -1$?



In right triangle ANG, G is the right angle. If a = 12 and g = 15, what would you type on your calculator to find N?



A rock climber reaches the summit of a cliff. Her spotter is standing such that the angle of depression from the top of the cliff to the spotter is 43°. If the cliff face is 125 feet tall, what expression will you type in the calculator to determine how far the spotter is standing from the base of the cliff?

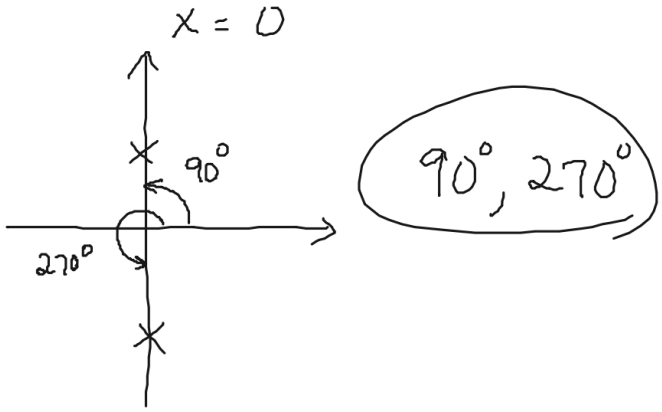


$$\frac{125}{x} = \tan 43^\circ$$

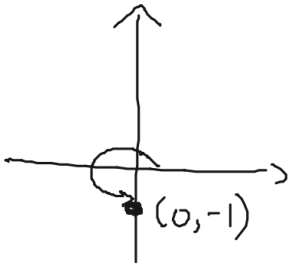
$$125 = x \tan 43^\circ$$

$$\frac{125}{\tan 43^\circ} = x$$

If $0 \leq C < 360°$, what are all angles C such that $\cos C = 0$?



Find the exact value of sec 270°.



undefined

$\frac{1}{0}$

Find the exact value of sin 300°.