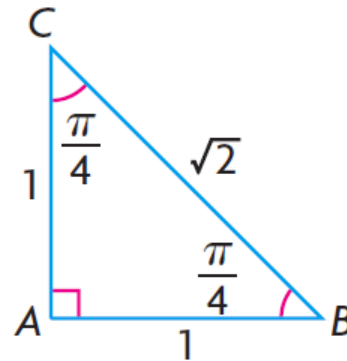
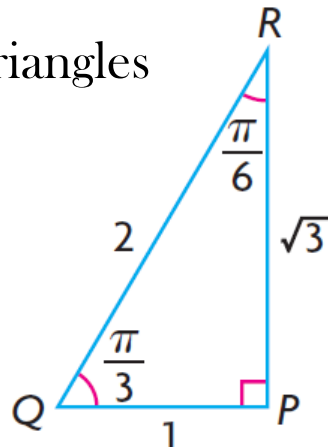


Sec 6.2 Radian Measures and the Cartesian Plane

Special Triangles



Solve:

$$\sin \frac{\pi}{3}$$

$$\cos \frac{\pi}{6}$$

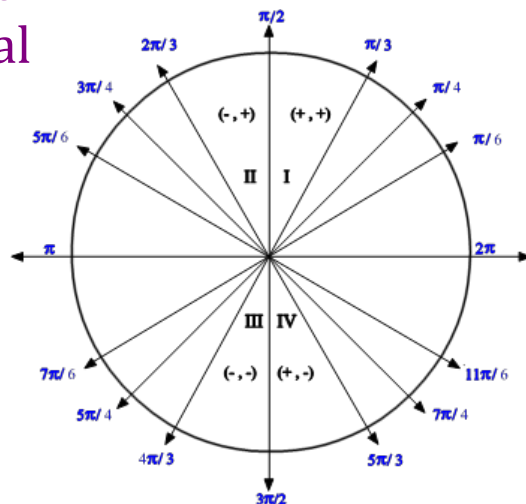
$$\tan \frac{\pi}{4}$$

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Now apply the CAST rule to the radians and special triangles.

$$\sin \frac{5\pi}{4} =$$

$$\sec \frac{5\pi}{6} =$$



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Reverse solving, remember that more than one answer is possible for certain intervals.

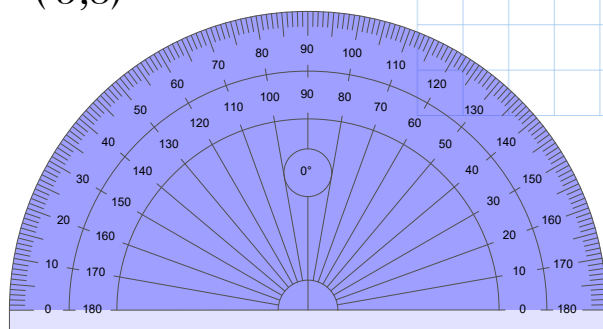
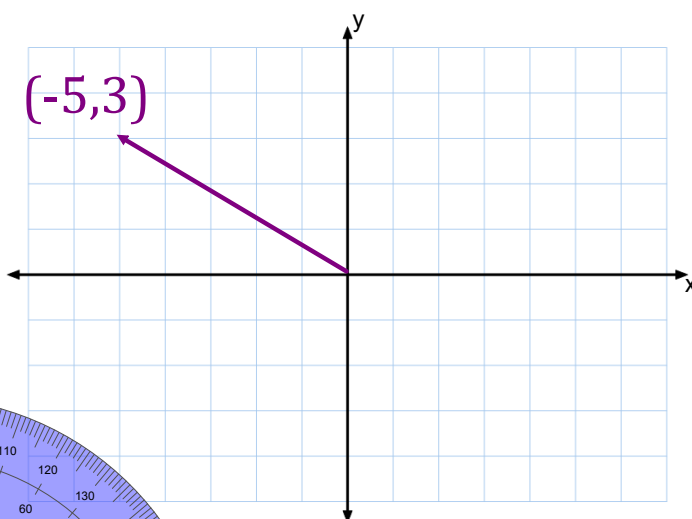
$$\sin \theta = \frac{1}{\sqrt{2}}$$

$$\tan \theta = \sqrt{3}$$

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How do we solve when we are given a terminal arm location?

Ex:
Find the measure of the angle formed by the terminal arm passing through the point $(-5,3)$



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Homework

p330 #2ac, 5, 6, 7ace, 9, 13

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