> $x = \cos 0° = 1, \quad y = \sin 0° = 0$

> $x = \cos 30° = \dfrac{\sqrt{3}}{2}, \quad y = \sin 30° = \dfrac{1}{2}$

>

>

$$x = \cos 45° = \frac{\sqrt{2}}{2}, \quad y = \sin 45° = \frac{\sqrt{2}}{2}$$
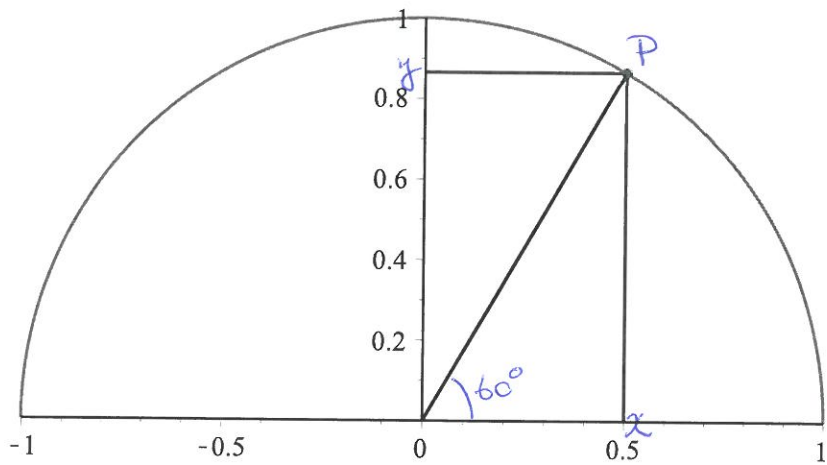
$$x = \cos 60° = \frac{1}{2}, \quad y = \sin 60° = \frac{\sqrt{3}}{2}$$
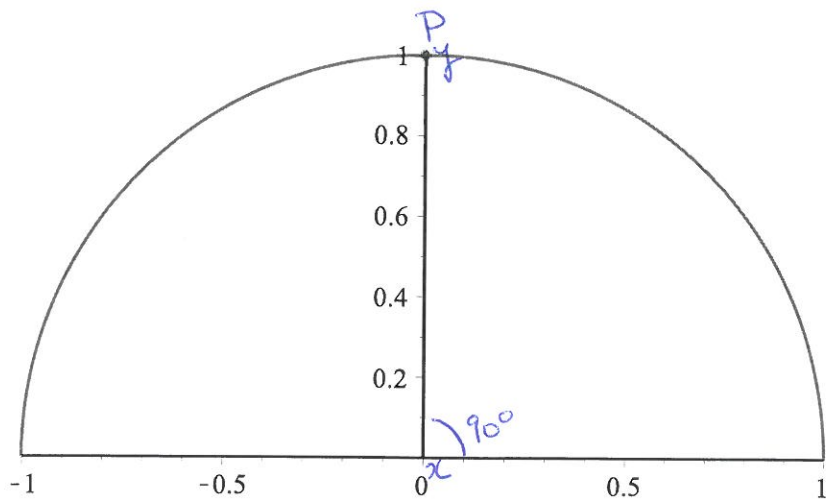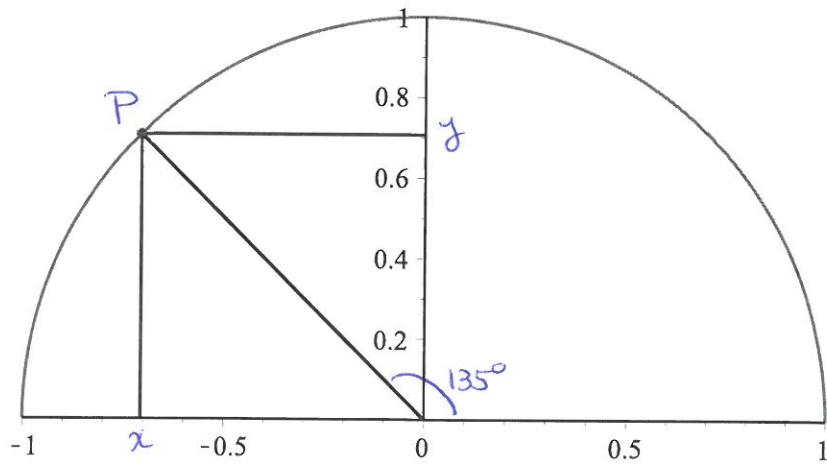
$x = \cos 90° = 0, \quad y = \sin 90° = 1$
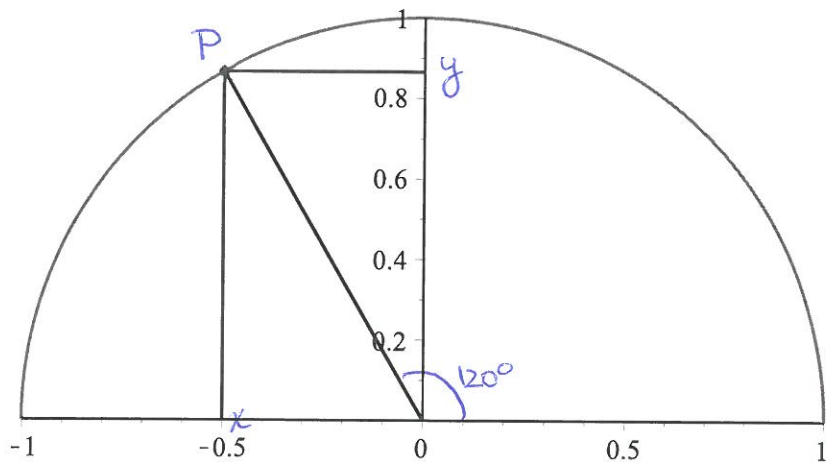
> $x = \cos 120° = -\dfrac{1}{2}$, $y = \sin 120° = \dfrac{\sqrt{3}}{2}$
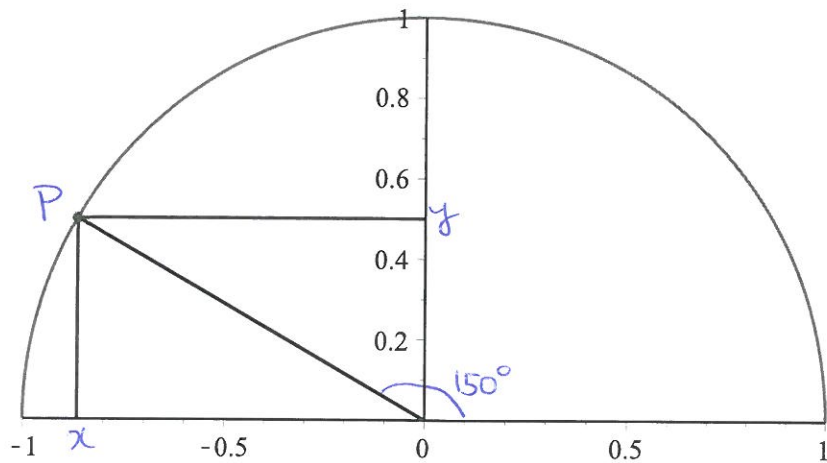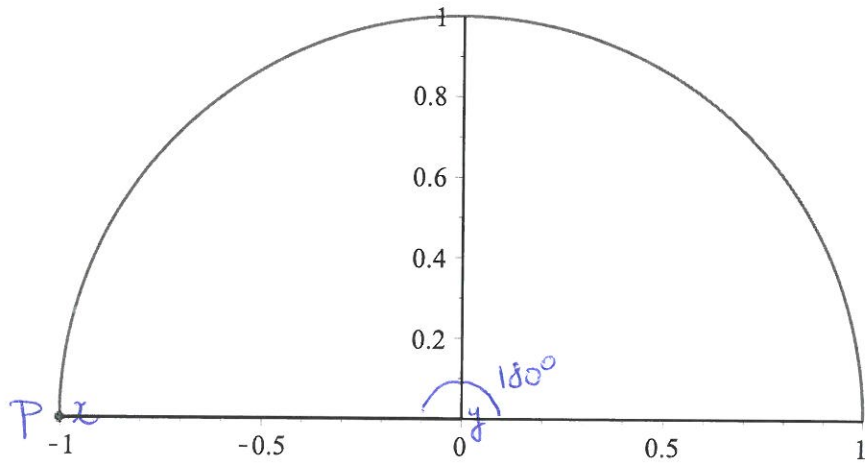
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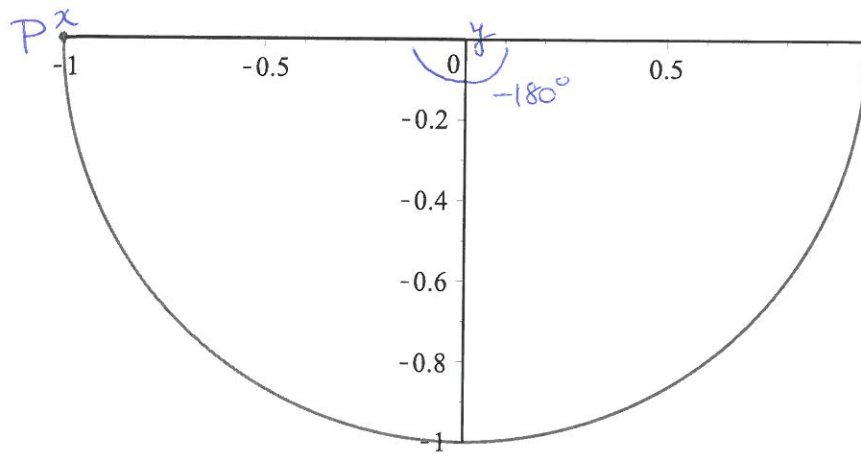$$x = \cos 135° = -\frac{\sqrt{2}}{2}, \quad y = \sin 135° = \frac{\sqrt{2}}{2}$$

>
>

> $x = \cos 150\,^\circ = -\dfrac{\sqrt{3}}{2}, \quad y = \sin 150\,^\circ = \dfrac{1}{2}$
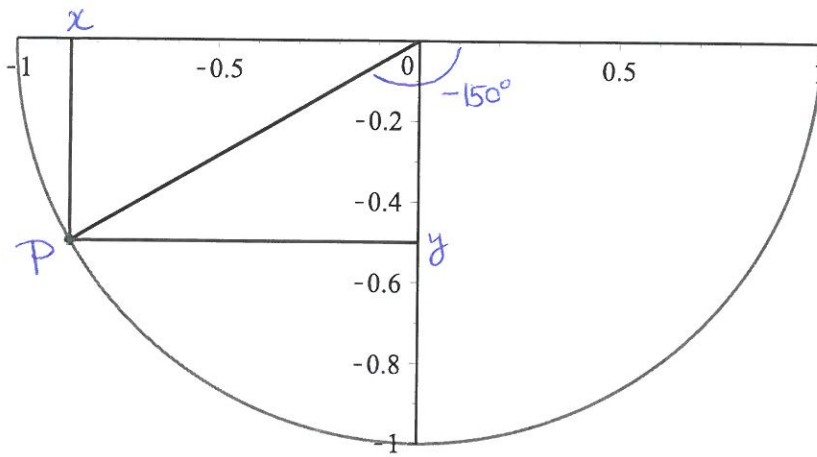
>

>

$x = \cos 180° = -1, \quad y = \sin 180° = 0$

P x

-1   -0.5   0 y 0.5   1

-180°

-0.2

-0.4

-0.6

-0.8
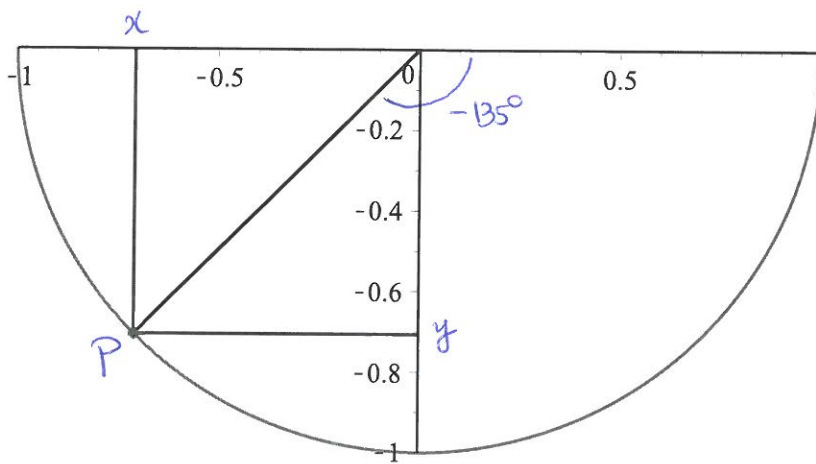
-1

> $x = \cos(-180°) = -1, \quad y = \sin(-180°) = 0$
>
>

> $x = \cos(-150°) = -\dfrac{\sqrt{3}}{2}, \quad y = \sin(-150°) = -\dfrac{1}{2}$

>

>

$> x = \cos(-135°) = -\dfrac{\sqrt{2}}{2}, \quad y = \sin(-135°) = -\dfrac{\sqrt{2}}{2}$

$>$
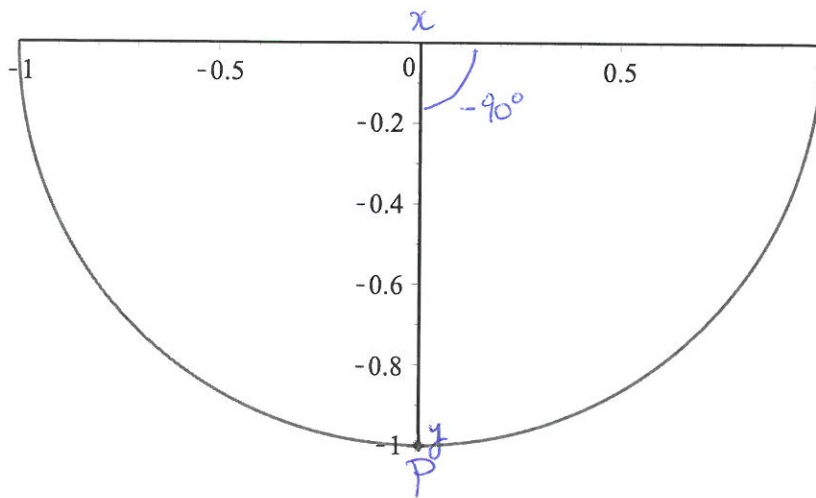
$>$
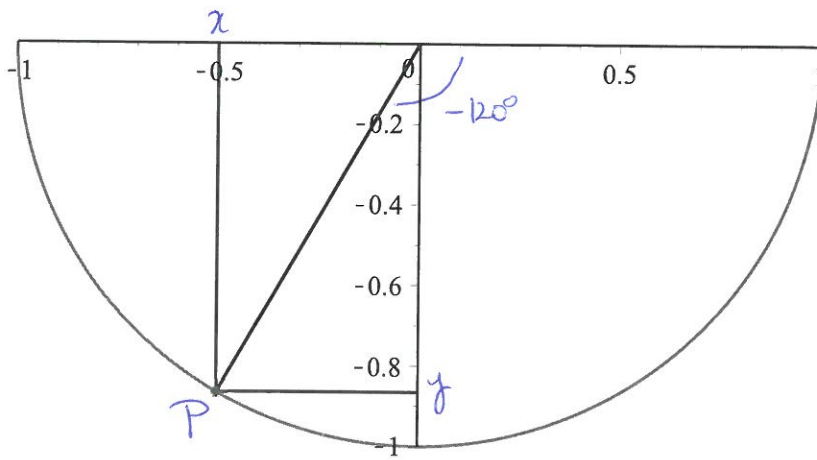
$$x = \cos(-120°) = -\frac{1}{2}, \quad y = \sin(-120°) = -\frac{\sqrt{3}}{2}$$
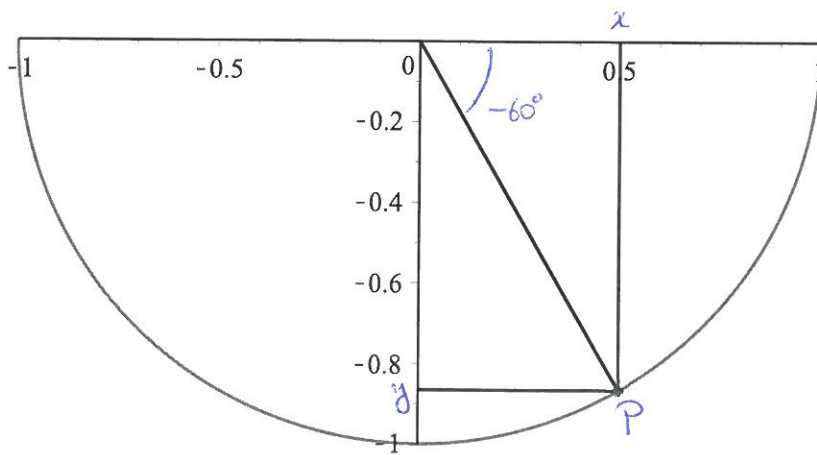
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>
>

$x = \cos(-90°) = 0, \quad y = \sin(-90°) = -1$

> $x = \cos(-60°) = \dfrac{1}{2}, \quad y = \sin(-60°) = -\dfrac{\sqrt{3}}{2}$

>

>
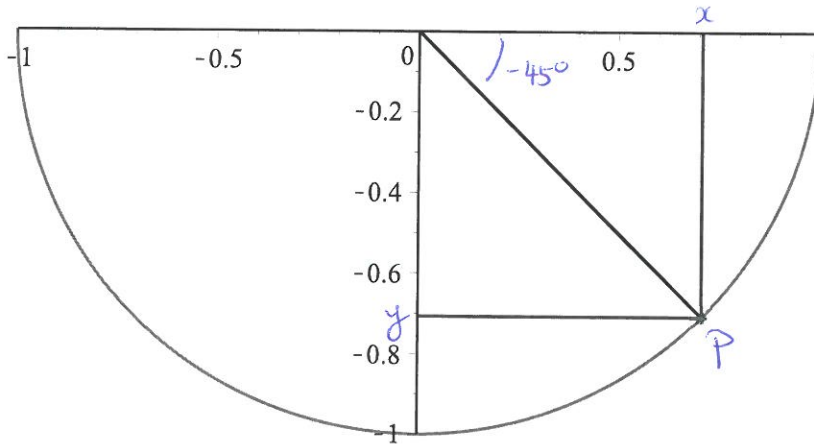
$$x = \cos\left(-45°\right) = \frac{\sqrt{2}}{2}, \quad y = \sin\left(-45°\right) = -\frac{\sqrt{2}}{2}$$
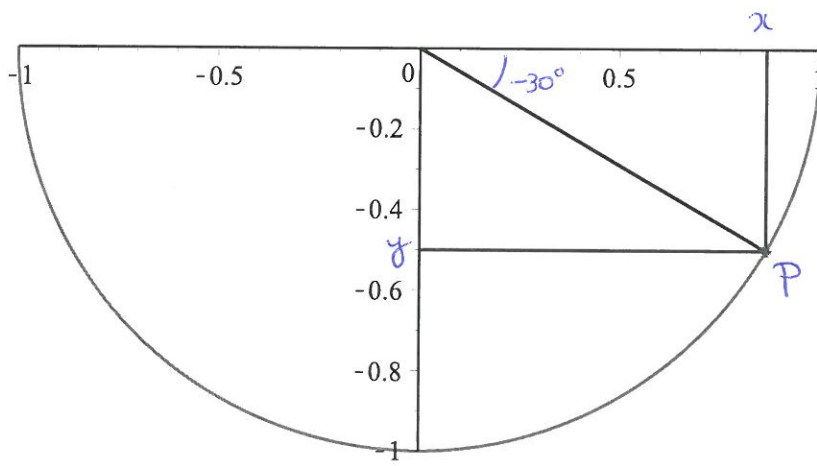
> $x = \cos(-30°) = \dfrac{\sqrt{3}}{2}, \quad y = \sin(-30°) = -\dfrac{1}{2}$

>

>
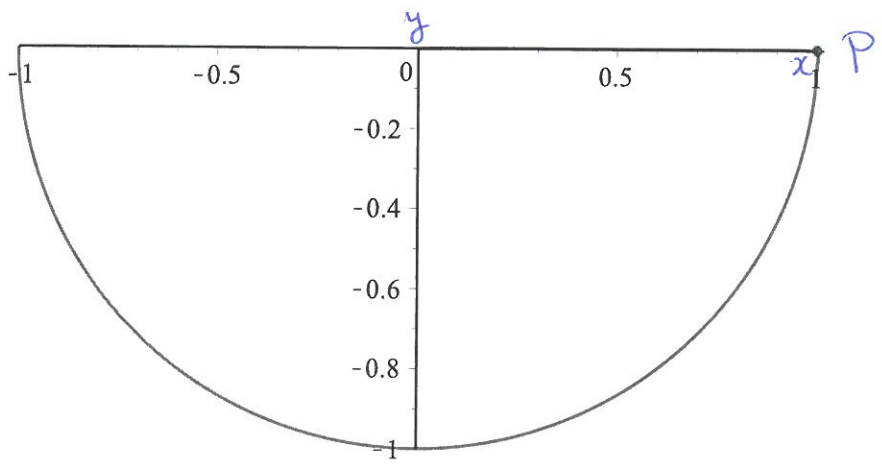
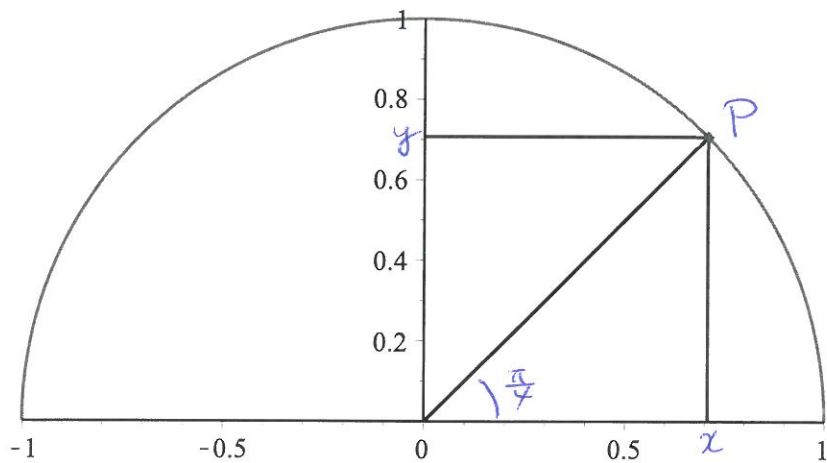$x = \cos 0\degree = 1, \quad y = \sin 0\degree = 0$
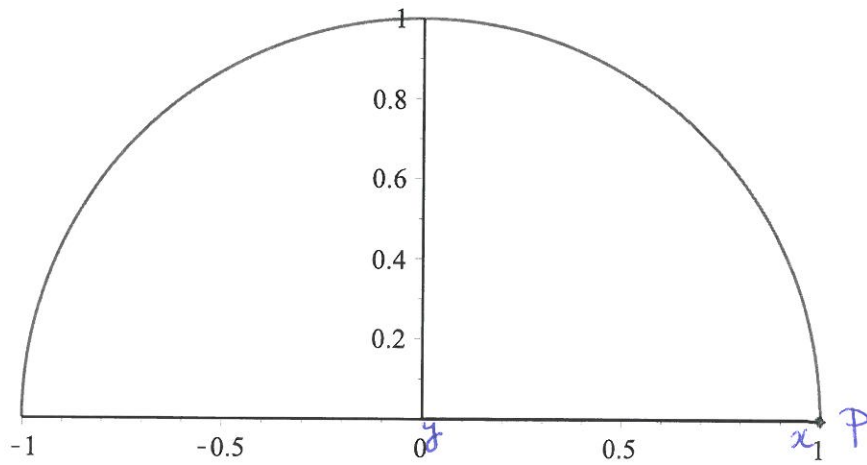
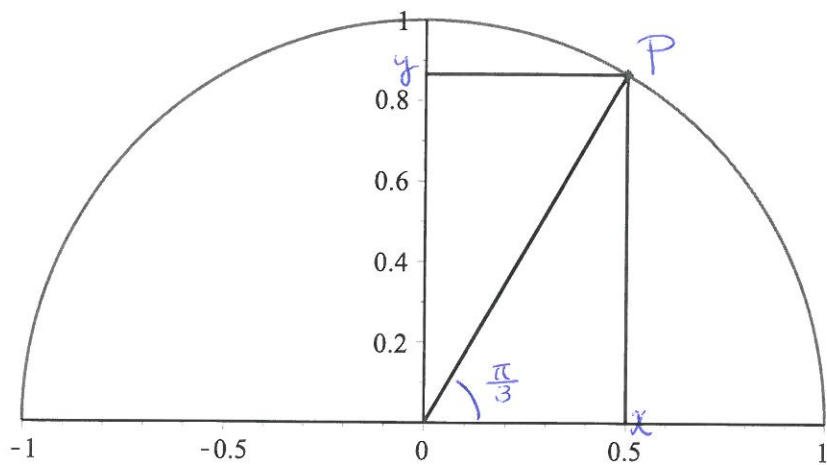> $x = \cos(0) = 1, \quad y = \sin(0) = 0$
>
>
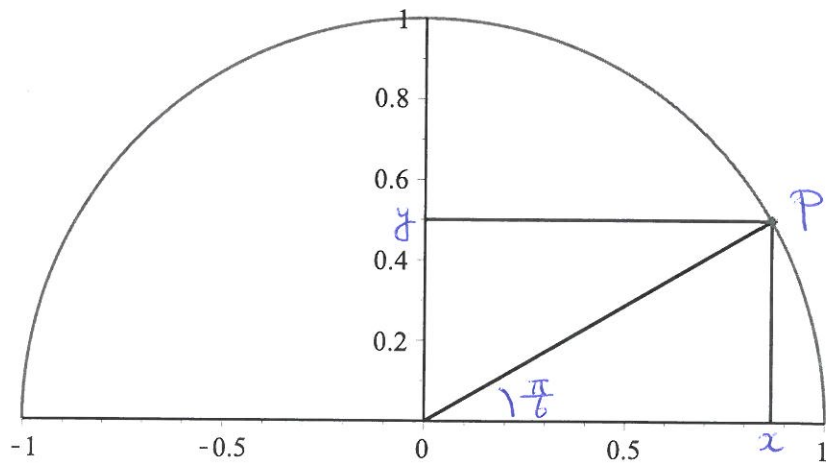
$$x = \cos\frac{\pi}{6} = \frac{\sqrt{3}}{2}, \quad y = \sin\frac{\pi}{6} = \frac{1}{2}$$

$$x = \cos \frac{\pi}{4} = \frac{\sqrt{2}}{2}, \quad y = \sin \frac{\pi}{4} = \frac{\sqrt{2}}{2}$$
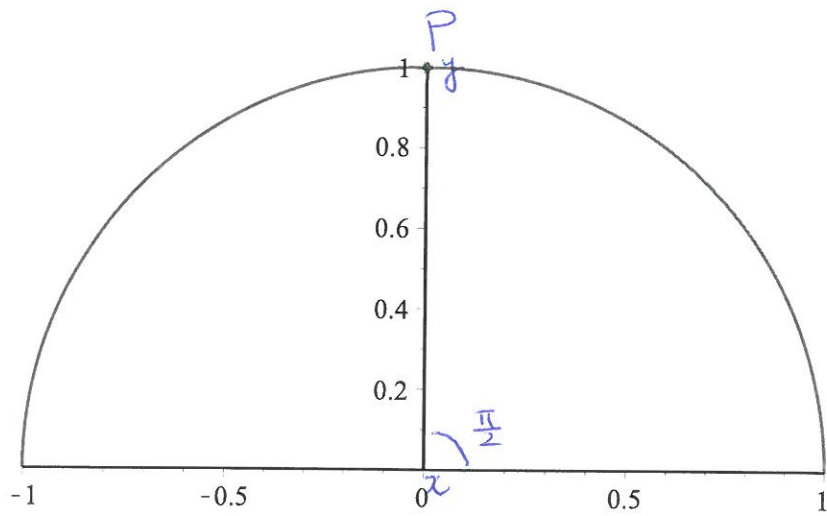
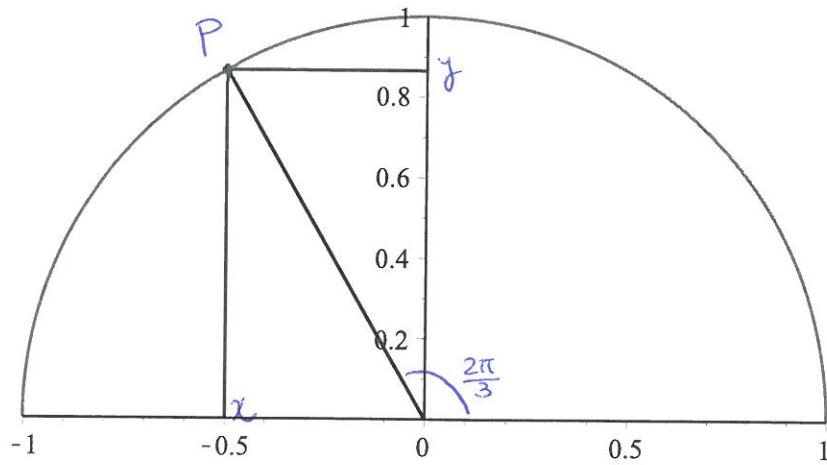$$x = \cos \frac{\pi}{3} = \frac{1}{2}, \quad y = \sin \frac{\pi}{3} = \frac{\sqrt{3}}{2}$$

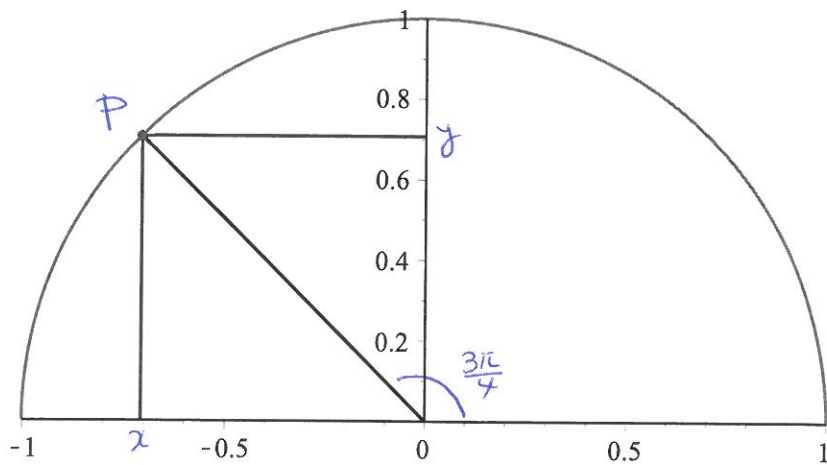$$x = \cos \frac{\pi}{2} = 0, \quad y = \sin \frac{\pi}{2} = 1$$

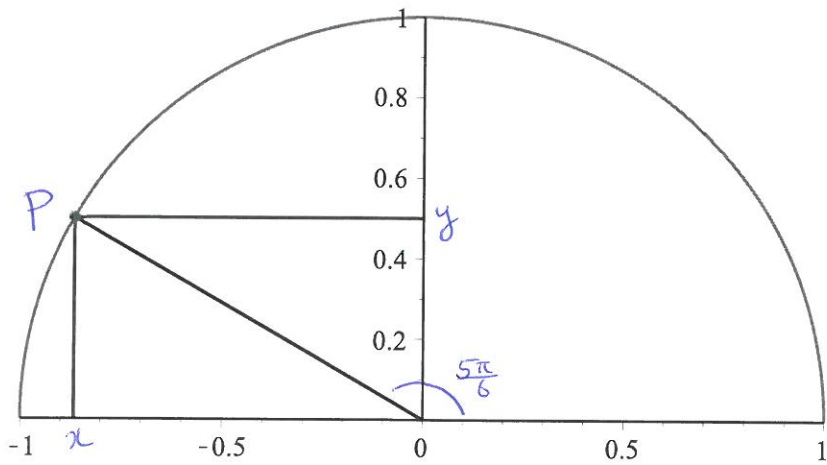$$x = \cos \frac{2\pi}{3} = -\frac{1}{2}, \quad y = \sin \frac{2\pi}{3} = \frac{\sqrt{3}}{2}$$
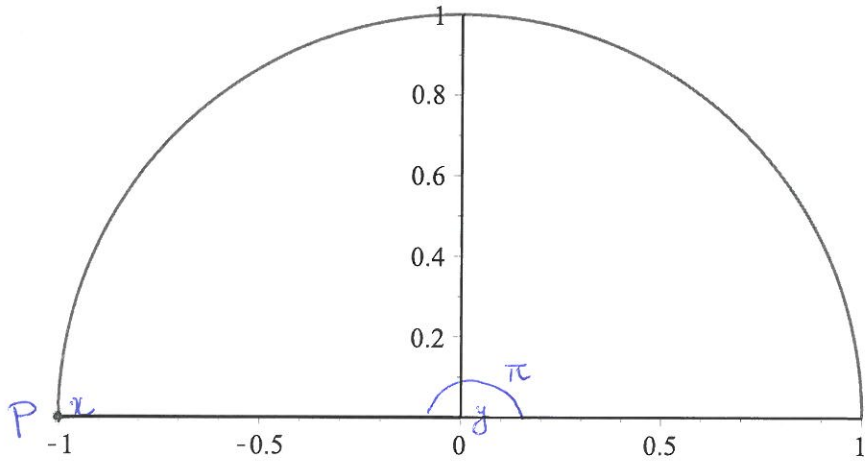
$$x = \cos \frac{3\pi}{4} = -\frac{\sqrt{2}}{2}, \quad y = \sin \frac{3\pi}{4} = \frac{\sqrt{2}}{2}$$
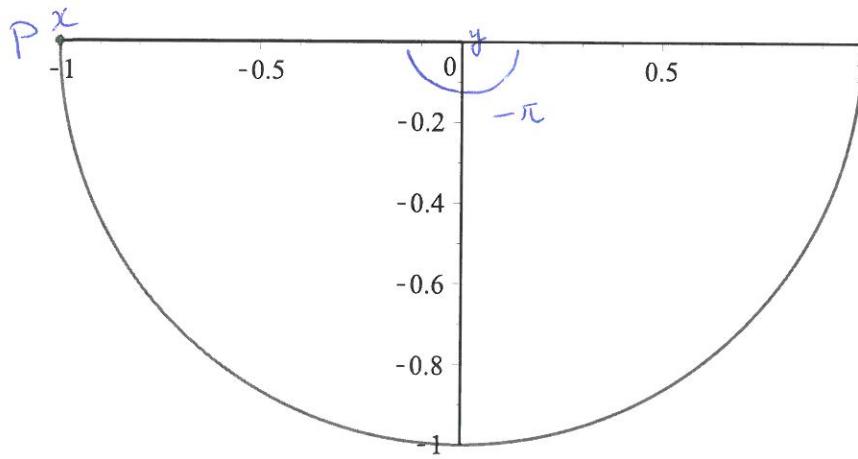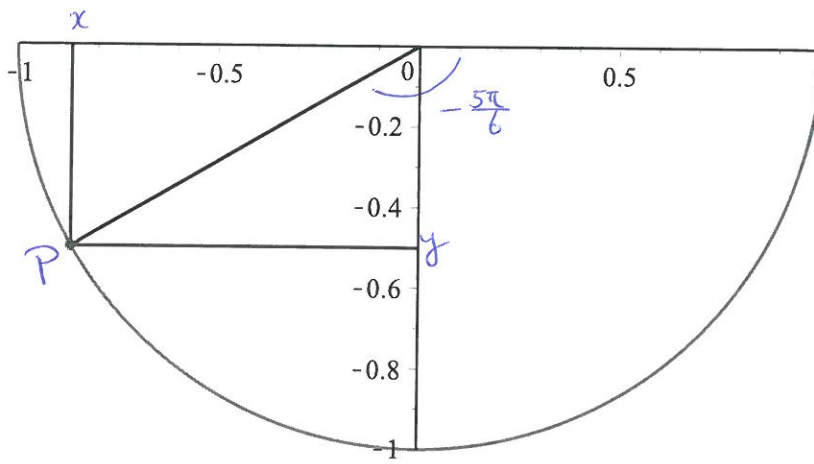
$$x = \cos \frac{5\pi}{6} = -\frac{\sqrt{3}}{2}, \quad y = \sin \frac{5\pi}{6} = \frac{1}{2}$$

$x = \cos \pi = -1, \quad y = \sin \pi = 0$

P x

-1   -0.5   0 y 0.5   1
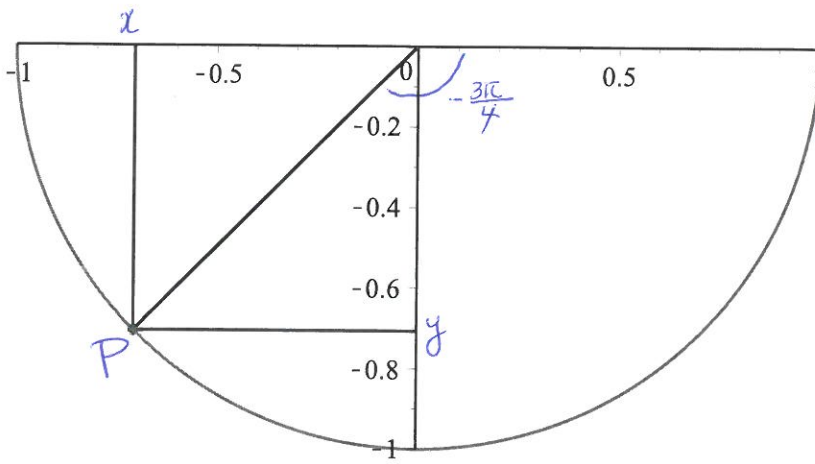
$-\pi$

-0.2

-0.4

-0.6

-0.8

-1

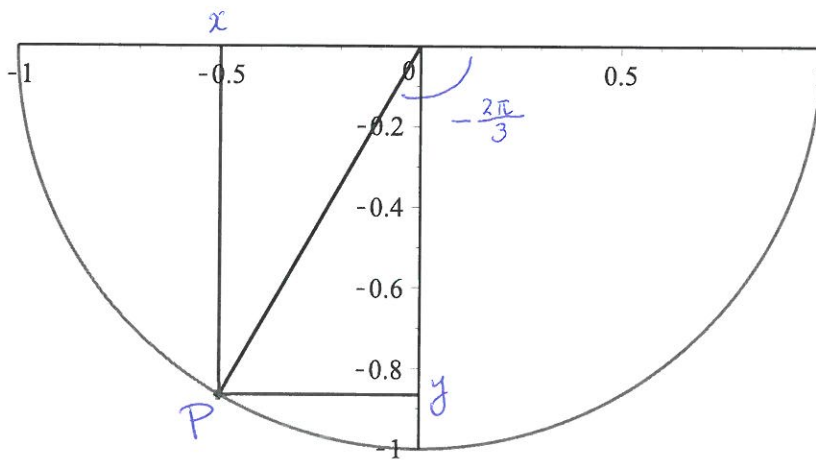$x = \cos(-\pi) = -1, \quad y = \sin(-\pi) = 0$

$$x = \cos\left(-\frac{5\pi}{6}\right) = -\frac{\sqrt{3}}{2}, \quad y = \sin\left(-\frac{5\pi}{6}\right) = -\frac{1}{2}$$

$$x = \cos\left(-\frac{3\pi}{4}\right) = -\frac{\sqrt{2}}{2}, \quad y = \sin\left(-\frac{3\pi}{4}\right) = -\frac{\sqrt{2}}{2}$$

$x = \cos\left(-\dfrac{2\pi}{3}\right) = -\dfrac{1}{2}, \quad y = \sin\left(-\dfrac{2\pi}{3}\right) = -\dfrac{\sqrt{3}}{2}$

$$x = \cos\left(-\frac{\pi}{2}\right) = 0, \quad y = \sin\left(-\frac{\pi}{2}\right) = -1$$

$x = \cos\left(-\dfrac{\pi}{3}\right) = \dfrac{1}{2}, \quad y = \sin\left(-\dfrac{\pi}{3}\right) = -\dfrac{\sqrt{3}}{2}$
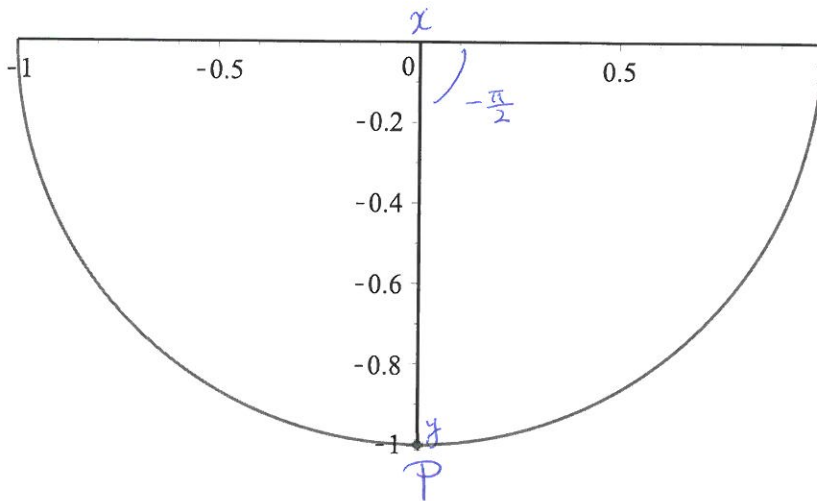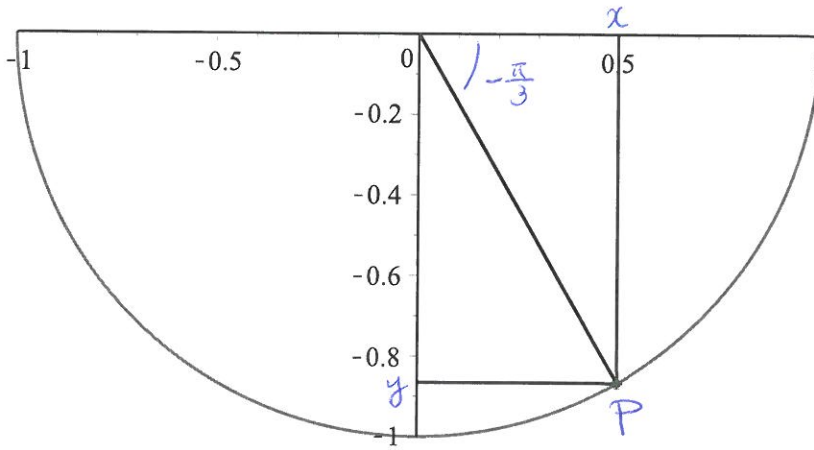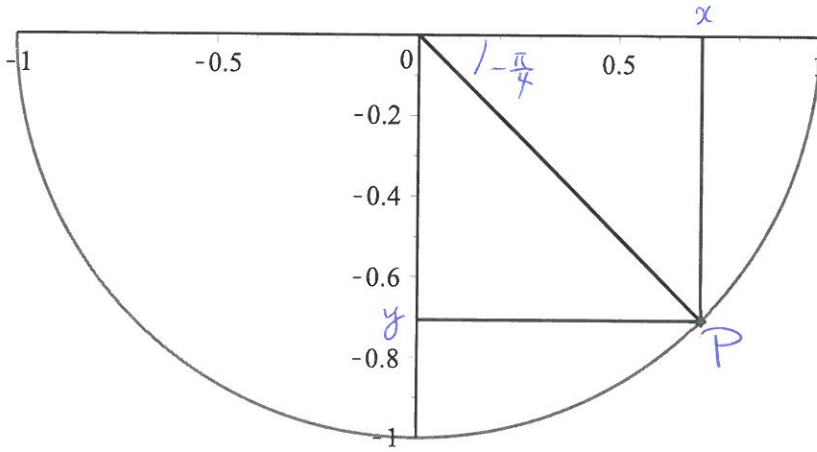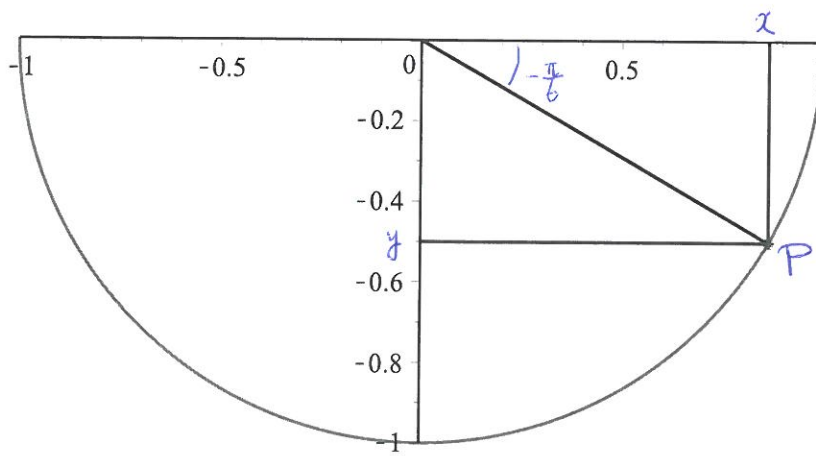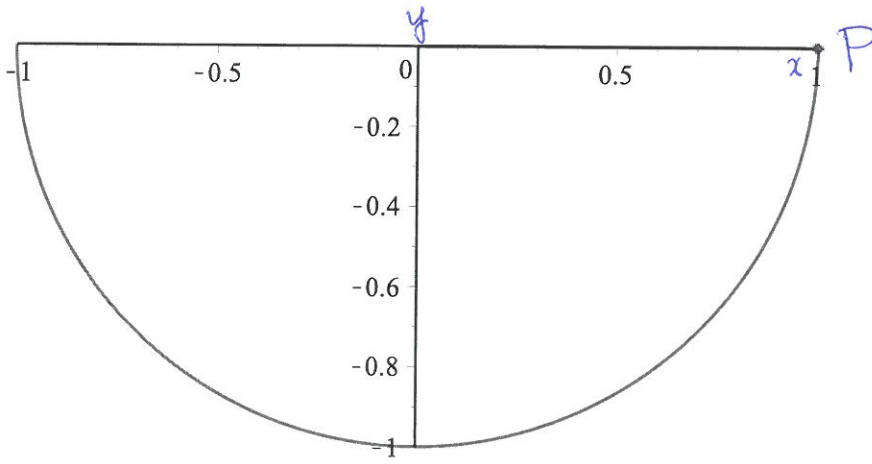
> $x = \cos\left(-\dfrac{\pi}{4}\right) = \dfrac{\sqrt{2}}{2}, \quad y = \sin\left(-\dfrac{\pi}{4}\right) = -\dfrac{\sqrt{2}}{2}$

>
>

$$x = \cos\left(-\frac{\pi}{6}\right) = \frac{\sqrt{3}}{2}, \quad y = \sin\left(-\frac{\pi}{6}\right) = -\frac{1}{2}$$

$x = \cos(0) = 1, \quad y = \sin(0) = 0$