

Bellwork Alg 2 Thursday, April 30, 2020

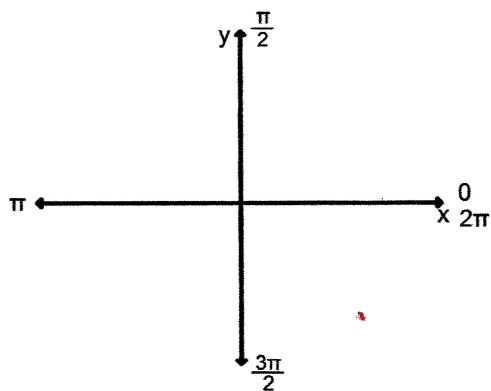
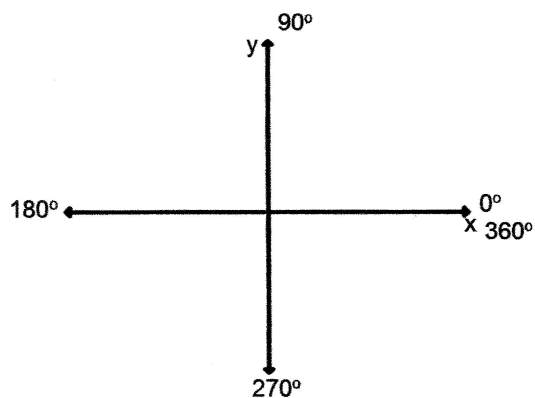
State the reference angle for each given angle θ . Give your answer in the same units as the original angle.

1. $\theta = 320^\circ$

2. $\theta = \frac{13\pi}{8}$

Ref $\angle =$

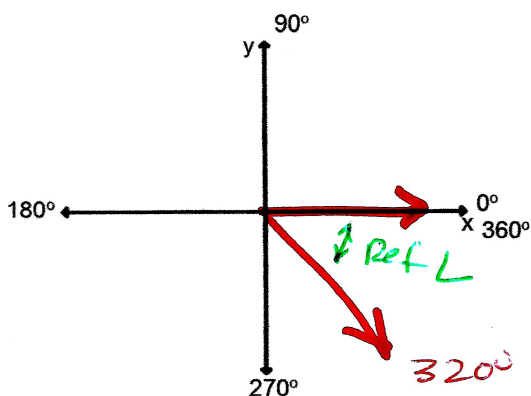
Ref $\angle =$



State the reference angle for each given angle θ . Give your answer in the same units as the original angle.

1. $\theta = 320^\circ$

Ref $\angle = 40^\circ$

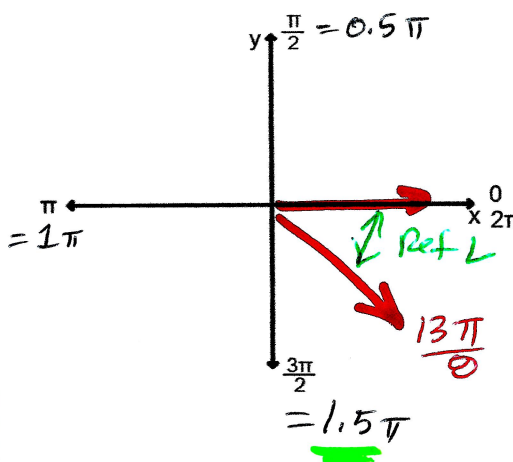


Ref $\angle = 360^\circ - 320^\circ$

Ref $\angle = 40^\circ$

2. $\theta = \frac{13\pi}{8}$

Ref $\angle = \frac{3\pi}{8}$



$\frac{13\pi}{8} \approx 1.625\pi$

$\frac{13\pi}{8}$ is in Quadrant IV

Ref $\angle = 2\pi - \frac{13\pi}{8}$

$= \frac{16\pi}{8} - \frac{13\pi}{8}$

$= \frac{3\pi}{8}$