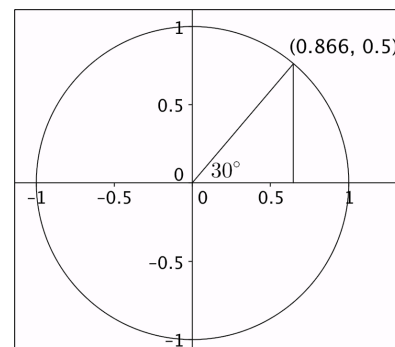


For each problem below, you are given the value of θ .

- Draw the angle in the unit circle,
- state the Quadrant in which the angle terminates, and
- calculate the values of the sine and cosine.

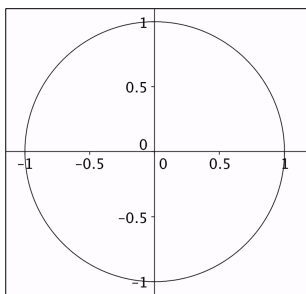
Example: If $\theta = 30^\circ$

- See the diagram.
- Quadrant I
- $\cos \theta \approx 0.866$ and $\sin \theta = 0.5$.



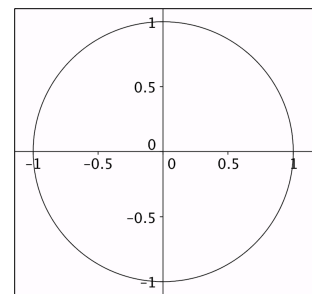
1. $\theta = 45^\circ$

- Quadrant _____
- $\cos \theta =$ _____
- $\sin \theta =$ _____



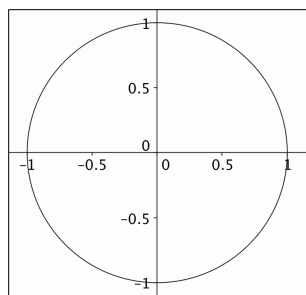
4. $\theta = 120^\circ$

- Quadrant _____
- $\cos \theta =$ _____
- $\sin \theta =$ _____



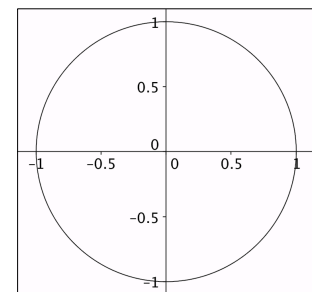
2. $\theta = 60^\circ$

- Quadrant _____
- $\cos \theta =$ _____
- $\sin \theta =$ _____



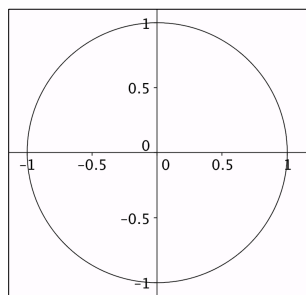
5. $\theta = 135^\circ$

- Quadrant _____
- $\cos \theta =$ _____
- $\sin \theta =$ _____



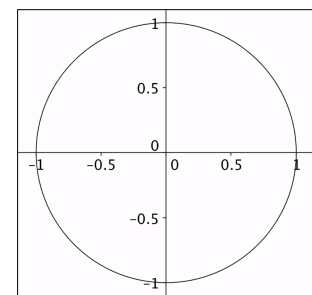
3. $\theta = 90^\circ$

- Quadrant _____
- $\cos \theta =$ _____
- $\sin \theta =$ _____



6. $\theta = 150^\circ$

- Quadrant _____
- $\cos \theta =$ _____
- $\sin \theta =$ _____

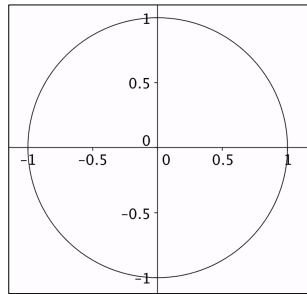


7. $\theta = 180^\circ$

b) Quadrant _____

c) $\cos \theta =$ _____

$\sin \theta =$ _____

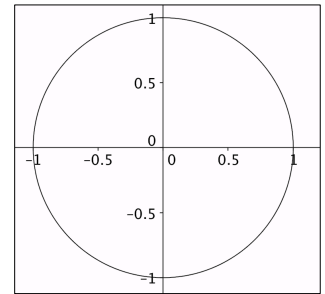


11. $\theta = 360^\circ$

b) Quadrant _____

c) $\cos \theta =$ _____

$\sin \theta =$ _____

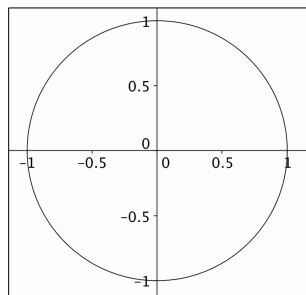


8. $\theta = 225^\circ$

b) Quadrant _____

c) $\cos \theta =$ _____

$\sin \theta =$ _____

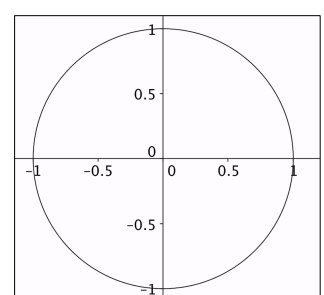


12. $\theta = 420^\circ$

b) Quadrant _____

c) $\cos \theta =$ _____

$\sin \theta =$ _____

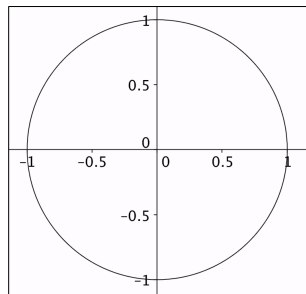


9. $\theta = 270^\circ$

b) Quadrant _____

c) $\cos \theta =$ _____

$\sin \theta =$ _____

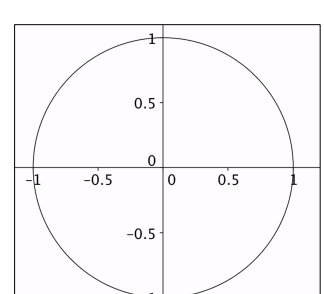


13. $\theta = -60^\circ$

b) Quadrant _____

c) $\cos \theta =$ _____

$\sin \theta =$ _____

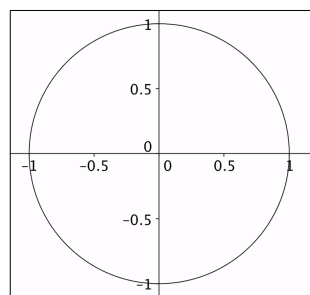


10. $\theta = 300^\circ$

b) Quadrant _____

c) $\cos \theta =$ _____

$\sin \theta =$ _____



14. $\theta = -585^\circ$

b) Quadrant _____

c) $\cos \theta =$ _____

$\sin \theta =$ _____

