

Trigonometry Unit Circle Worksheet

1.) Let $\theta = 360^\circ$

- (a) convert θ from degrees to radians
- (b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

2.) Let $\theta = 30^\circ$

- (a) convert θ from degrees to radians
- (b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

3.) Let $\theta = 225^\circ$

- (a) convert θ from degrees to radians
- (b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

4.) Let $\theta = 300^\circ$

- (a) convert θ from degrees to radians
- (b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

5.) Let $\theta = 60^\circ$

- (a) convert θ from degrees to radians
- (b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

6.) Let $\theta = 180^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

7.) Let $\theta = 45^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

8.) Let $\theta = 135^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

9.) Let $\theta = 315^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

10.) Let $\theta = 90^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

11.) Let $\theta = 270^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

12.) Let $\theta = 240^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

13.) Let $\theta = 120^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

14.) Let $\theta = 150^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

15.) Let $\theta = 210^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles

16.) Let $\theta = 330^\circ$

(a) convert θ from degrees to radians

(b) Determine the $\cos(\theta)$, $\sin(\theta)$ using special right triangles