

Trigonometry Unit Circle Worksheet

1) Let $\theta = 30^\circ$

(a) convert θ from degrees to radians

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

2) Let $\theta = 45^\circ$

(a) convert θ from degrees to radians

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

3) Let $\theta = 60^\circ$

(a) convert θ from degrees to radians

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

4) Let $\theta = 90^\circ$

(a) convert θ from degrees to radians

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

5) Let $\theta = 120^\circ$

(a) convert θ from degrees to radians

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

6) Let $\theta = 135^\circ$

(a) convert θ from degrees to radians

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

7) Let $\theta = 150^\circ$

(a) convert θ from degrees to radians

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

8) Let $\theta = 180^\circ$

(a) convert θ from degrees to radians

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

9) Let $\theta = 210^\circ$

(a) convert θ from degrees to radians

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

10) Let $\theta = 225^\circ$

(a) convert θ from degrees to radians

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

11) Let $\theta = 240^\circ$

(a) convert θ from degrees to radians

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

12) Let $\theta = 270^\circ$

(a) convert θ from degrees to radians

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

11) Let $\theta = 300^\circ$

(a) convert θ from degrees to radians

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

12) Let $\theta = 315^\circ$

(a) convert θ from degrees to radians

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

13) Let $\theta = 330^\circ$

(a) convert θ from degrees to radians

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

14) Let $\theta = 360^\circ$

(a) convert θ from degrees to radians

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