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 $\theta = 180°$

(a) convert θ from degrees to radians

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

7.) Let $\theta = 45°$

(a) convert θ from degrees to radians

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

8.) Let $\theta = 135°$

(a) convert θ from degrees to radians

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

9.) Let $\theta = 315°$

(a) convert θ from degrees to radians

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

10.) Let $\theta = 90°$

(a) convert θ from degrees to radians

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

11.) Let $\theta = 270°$

(a) convert θ from degrees to radians

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

12.) Let $\theta = 240°$

(a) convert θ from degrees to radians

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

13.) Let $\theta = 120°$

(a) convert θ from degrees to radians

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

14.) Let $\theta = 150°$

(a) convert θ from degrees to radians

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

15.) Let $\theta = 210°$

(a) convert θ from degrees to radians

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

16.) Let $\theta = 330°$

(a) convert θ from degrees to radians

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