

Name \_\_\_\_\_

Date \_\_\_\_\_

**Using and Understanding the Unit Circle - Independent Practice Worksheet**

Complete all the problems.

1. Let  $\cos \theta = \frac{3}{11}$

Find the value of a given trigonometric ratio using unit circles:

$\sin \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

2. Let  $\sin \theta = \frac{12}{20}$

Find the value of a given trigonometric ratio using unit circles:

$\cos \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

3. Let  $\sin \theta = -\frac{7}{18}$

Find the value of a given trigonometric ratio using unit circles:

$\cos \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

4. Let  $\cos \theta = -\frac{4}{9}$

Find the value of a given trigonometric ratio using unit circles:

$\sin \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

5. Let  $\cos \theta = -\frac{9}{12}$

Find the value of a given trigonometric ratio using unit circles:

$\sin \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

6. Let  $\sin \theta = -\frac{8}{13}$

Find the value of a given trigonometric ratio using unit circles:

$\cos \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$



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Date \_\_\_\_\_

7. Let  $\cos \theta = \frac{6}{13}$

Find the value of a given trigonometric ratio using unit circles:

$\sin \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

8. Let  $\cos \theta = -\frac{9}{14}$

Find the value of a given trigonometric ratio using unit circles:

$\sin \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

9. Let  $\sin \theta = \frac{17}{26}$

Find the value of a given trigonometric ratio using unit circles:

$\cos \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

10. Let  $\sin \theta = -\frac{8}{36}$

Find the value of a given trigonometric ratio using unit circles:

$\cos \theta =$  ,  $\tan \theta =$  ,  $\sec \theta =$  ,  $\csc \theta =$

