

## Exact Values of General Angles (Day 2 - Degrees)

Date \_\_\_\_\_ Period \_\_\_\_\_

Use the given point on the terminal side of angle  $\theta$  to find the value of the six trigonometric functions.

1)  $\sin \theta; (7, -\sqrt{15})$

2)  $\csc \theta; (-\sqrt{7}, -3)$

Find the exact value of each trigonometric function.

3)  $\tan 405^\circ$

4)  $\cos 870^\circ$

5)  $\csc -480^\circ$

6)  $\cot 960^\circ$

7)  $\sin -135^\circ$

8)  $\cot 675^\circ$

9)  $\csc -225^\circ$

10)  $\cos -30^\circ$

11)  $\cot 930^\circ$

12)  $\sec -480^\circ$

## Answers to Exact Values of General Angles (Day 2 - Degrees) (ID: 1)

$$1) -\frac{\sqrt{15}}{8}$$

$$2) -\frac{4}{3}$$

$$3) 1$$

$$4) -\frac{\sqrt{3}}{2}$$

$$5) -\frac{2\sqrt{3}}{3}$$

$$6) \frac{\sqrt{3}}{3}$$

$$7) -\frac{\sqrt{2}}{2}$$

$$8) -1$$

$$9) \sqrt{2}$$

$$10) \frac{\sqrt{3}}{2}$$

$$11) \sqrt{3}$$

$$12) -2$$