Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Test Angles in the coordinate plane 9-29-17 hour 1 2 3 4 5 6 7

|  |  |  |
| --- | --- | --- |
| 1. Sketch the angle formed with the x axis and the given point (-7, -12) | 1. State the trigonometric ratios associated with this point in   quadrant 3  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 3 angle | 1. State the approximate measure of the related quadrant 3 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |
| 1. Sketch the angle formed with the x axis and the given point (-5, 12) | 1. State the trigonometric ratios associated with this point in   quadrant 2  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 2 angle | 1. State the approximate measure of the related quadrant 2 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |

|  |  |  |
| --- | --- | --- |
| 1. Sketch the angle formed with the x axis and the given point (7, -24) | 1. State the trigonometric ratios associated with this point in   quadrant 4  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 4 angle | 1. State the approximate measure of the related quadrant 4 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |
| 1. Sketch the angle -2759° | 1. State the exact radian measure of the angle -2759° 2. State the approximate radian measure of the angle -2759° 3. State the number of COMPLETE rotations this angle represents 4. Which direction best describes this angle?   Clockwise Counter-clockwise | 1. State the smallest positive coterminal angle related to this angle 2. State the negative coterminal angle that is closest to 0° 3. State ALL coterminal angles related to this angle   (failure to properly limit any variables will result in loss of points) |

|  |  |  |
| --- | --- | --- |
| Sketch the following angles on the provide axes | | |
| 1. Sketch 3° on the axes below | 1. Sketch 3 radians on the axes below | 1. Sketch 3π radians on the axes below |
|  |  |  |
| 1. Sketch -3° on the axes below | 1. Sketch -3 radians on the axes below | 1. Sketch -3π radians on the axes below |
|  |  |  |

This following six questions are worth 6% of the test grade, the previous questions will be used as a makeup quiz IF you do better on the test than the quiz, that will be your grade for the quiz

|  |  |
| --- | --- |
| 1. State the complement of  if possible, if NOT state why not | 1. State the supplement of  if possible, if NOT state why not |
| 1. State the complement of  if possible, if NOT state why not | 1. State the supplement of  if possible, if NOT state why not |
| 1. State the smallest positive coterminal angle of | 1. State the negative coterminal angle closest to zero related to |

DO NOT ATTEMPT UNTIL ALL OTHER QUESTIONS ARE COMPLETED!

EXTRA CREDIT: USING RADIAN MEASURE, determine the angle, the complement of the angle, and the supplement of the angle related to the following statement:

The three times the complement of an angle is  radians less than twice its supplement

FAILURE TO CLEARLY JUSTIFY WORK WILL RESULT IN NO EXTRA CREDIT!

The angle is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ The complement of the angle is \_\_\_\_\_\_\_\_ The supplement of the angle is\_\_\_\_\_\_\_

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Test Angles in the coordinate plane 9-29-17 hour 1 2 3 4 5 6 7

|  |  |  |
| --- | --- | --- |
| 1. Sketch the angle formed with the x axis and the given point (-15,-12) | 1. State the trigonometric ratios associated with this point in   quadrant 3  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 3 angle | 1. State the approximate measure of the related quadrant 3 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |
| 1. Sketch the angle formed with the x axis and the given point (-7, 24) | 1. State the trigonometric ratios associated with this point in   quadrant 2  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 2 angle | 1. State the approximate measure of the related quadrant 2 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |

|  |  |  |
| --- | --- | --- |
| 1. Sketch the angle formed with the x axis and the given point (12, -5) | 1. State the trigonometric ratios associated with this point in   quadrant 4  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 4 angle | 1. State the approximate measure of the related quadrant 4 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |
| 1. Sketch the angle -6759° | 1. State the exact radian measure of the angle -6759° 2. State the approximate radian measure of the angle -6759° 3. State the number of COMPLETE rotations this angle represents 4. Which direction best describes this angle?   Clockwise Counter-clockwise | 1. State the smallest positive coterminal angle related to this angle 2. State the negative coterminal angle that is closest to 0° 3. State ALL coterminal angles related to this angle   (failure to properly limit any variables will result in loss of points) |

|  |  |  |
| --- | --- | --- |
| Sketch the following angles on the provide axes | | |
| 1. Sketch 7° on the axes below | 1. Sketch 7 radians on the axes below | 1. Sketch 7π radians on the axes below |
|  |  |  |
| 1. Sketch -7° on the axes below | 1. Sketch -7 radians on the axes below | 1. Sketch -7π radians on the axes below |
|  |  |  |

This following six questions are worth 6% of the test grade, the previous questions will be used as a makeup quiz IF you do better on the test than the quiz, that will be your grade for the quiz

|  |  |
| --- | --- |
| 1. State the complement of  if possible, if NOT state why not | 1. State the supplement of  if possible, if NOT state why not |
| 1. State the complement of  if possible, if NOT state why not | 1. State the supplement of  if possible, if NOT state why not |
| 1. State the smallest positive coterminal angle of | 1. State the negative coterminal angle closest to zero related to |

EXTRA CREDIT: USING RADIAN MEASURE, determine the angle, the complement of the angle, and the supplement of the angle related to the following statement:

The three times the complement of an angle is  radians less than twice its supplement

FAILURE TO CLEARLY JUSTIFY WORK WILL RESULT IN NO EXTRA CREDIT

The angle is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ The complement of the angle is \_\_\_\_\_\_\_\_ The supplement of the angle is\_\_\_\_\_\_\_

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Test Angles in the coordinate plane 9-29-17 hour 1 2 3 4 5 6 7

|  |  |  |
| --- | --- | --- |
| 1. Sketch the angle formed with the x axis and the given point (-18,-10) | 1. State the trigonometric ratios associated with this point in   quadrant 3  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 3 angle | 1. State the approximate measure of the related quadrant 3 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |
| 1. Sketch the angle formed with the x axis and the given point (-14, 48) | 1. State the trigonometric ratios associated with this point in   quadrant 2  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 2 angle | 1. State the approximate measure of the related quadrant 2 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |

|  |  |  |
| --- | --- | --- |
| 1. Sketch the angle formed with the x axis and the given point (10, -24) | 1. State the trigonometric ratios associated with this point in   quadrant 4  SOH CAH TOA  \_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_   1. State the exact measure of the reference angle 2. State the approximate measure of the reference angle 3. State the exact measure of the related quadrant 4 angle | 1. State the approximate measure of the related quadrant 4 angle 2. State two positive coterminal angles 3. State two negative coterminal angles 4. State ALL coterminal angles   (failure to properly limit any variables will result in loss of points) |
| 1. Sketch the angle -8759° | 1. State the exact radian measure of the angle -8759° 2. State the approximate radian measure of the angle -8759° 3. State the number of COMPLETE rotations this angle represents 4. Which direction best describes this angle?   Clockwise Counter-clockwise | 1. State the smallest positive coterminal angle related to this angle 2. State the negative coterminal angle that is closest to 0° 3. State ALL coterminal angles related to this angle   (failure to properly limit any variables will result in loss of points) |

|  |  |  |
| --- | --- | --- |
| Sketch the following angles on the provide axes | | |
| 1. Sketch 9° on the axes below | 1. Sketch 9 radians on the axes below | 1. Sketch 9π radians on the axes below |
|  |  |  |
| 1. Sketch -9° on the axes below | 1. Sketch -9 radians on the axes below | 1. Sketch -9π radians on the axes below |
|  |  |  |

The following six questions are worth 6% of the test grade, the previous questions will be used as a makeup quiz IF you do better on the test than the quiz, that will be your grade for the quiz

|  |  |
| --- | --- |
| 1. State the complement of  if possible, if NOT state why not | 1. State the supplement of  if possible, if NOT state why not |
| 1. State the complement of  if possible, if NOT state why not | 1. State the supplement of  if possible, if NOT state why not |
| 1. State the smallest positive coterminal angle of | 1. State the negative coterminal angle closest to zero related to |

EXTRA CREDIT: USING RADIAN MEASURE, determine the angle, the complement of the angle, and the supplement of the angle related to the following statement:

The three times the complement of an angle is  radians less than twice its supplement

FAILURE TO CLEARLY JUSTIFY WORK WILL RESULT IN NO EXTRA CREDIT

The angle is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ The complement of the angle is \_\_\_\_\_\_\_\_ The supplement of the angle is\_\_\_\_\_\_\_