Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SOHCAHTOA and reference angles 9-20-17 hour 1 2 3 4 5 6 7

|  |  |  |  |
| --- | --- | --- | --- |
| P  O  X | Directions   1. Plot M(-4, 5) 2. Find related right triangle formed with X AXIS 3. State all three related trigonometric ratios 4. Find acute angle POM formed with X AXIS, ORIGIN and given point M (give exact and approximate) 5. Find the 2nd quadrant angle | SOH CAH TOA  Exact Ratio Exact Ratio Exact Ratio  Show HOW you got approximate acute angle  related to this point |  |
| P  O  X | Directions   1. Plot R(-1, -4) 2. Find related right triangle formed with X AXIS 3. State all three related trigonometric ratios 4. Find acute angle POR formed with X AXIS, ORIGIN and given point R (give exact and approximate) 5. Find the 3rd quadrant angle | SOH CAH TOA  Exact Ratio Exact Ratio Exact Ratio  Show HOW you got approximate acute angle  related to this point | Q3  Q3 |

|  |  |  |  |
| --- | --- | --- | --- |
| P  O  X | Directions   1. Plot T(4,-2) 2. Find related right triangle formed with X AXIS 3. State all three related trigonometric ratios 4. Find acute angle POR formed with X AXIS, ORIGIN and given point T (give exact and approximate) 5. Find the 4th quadrant angle | SOH CAH TOA  Exact Ratio Exact Ratio Exact Ratio  Show HOW you got approximate acute angle  related to this point | Q4  Q4 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Positive coterminal angle | Negative coterminal angle | 2nd positive coterminal angle | 2nd negative coterminal angle | State angle in approximate radian measure |
| Refer to |  |  |  |  | Remember this is Q2 angle |
| Refer to |  |  |  |  | Remember this is Q3 angle |
| Refer to |  |  |  |  | Remember this is Q4 angle |

BOOK ASSIGNMENT

Section 6.1 p451 #1-15 (exclude 7a) ODDS , 25-73 ODDS

FAILURE TO SHOW PROCESS WHEN NECESSARY will result in 50 for HWK grade