**Honors Math 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Unit 7 Part 2 Review 2

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| 1. Write the standard equation for the circle with center (2, 7), *r* = 4
 | 1. Write the standard equation for the circle with center (–6, –8), that passes through (0, 0)
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| 1. Write the standard equation of the circle in the graph.
 | 1. Put the following general form equation into the standard form equation of a circle:

Center:Radius: |
| 1. Find a coterminal angle between 0° and 360° or between 0 and 2π radians.
2. -370°
3. 730°
 | 1. Switch to DMS or decimal form.
2. 206.37°
3. 143.82°
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| 1. Without a calculator, find the values for sinθ, cosθ, tanθ, secθ, cscθ, and cotθ.

 a) b) -150°

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 | 1. The terminal side of an angle in standard position contains the point (4,-8). Find all of the trigonometric ratios for this angle.

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| 1. Find the exact value of each expression using a coterminal angle: (1 pt ea.) (Show your work for credit!!)
2. cos -90°
3. sin
4. c. tan
5. tan 1020°
 | 1. Simplify.
 |
| 11. Simplify: tan2 x (csc2 x – 1) | 12. Simplify (Hint: remember how to factor perfect square binomials like (x2-9)! |

