Accelerated Geometry Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Circles Review Period\_\_\_\_\_\_\_

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| 1) Write the equation of a circle in standard form with center (0, 6) and r = $3\sqrt{7}$ | 2) Write the equation of a circle in general form with center (-2, 6) and r = $8$ |
| 3) What is the center and radius of the following circle?$$(x-9)^{2}+y^{2}=98$$ | 4) What is the center and radius of the following circle?$$x^{2}-6x+y^{2}+9y=1$$ |
| 5) Find the center and radius of the following circle?$$8y^{2}-64=-8x^{2}+64y-8$$ | 6) Write the equation of the following circle in standard form:http://www.floridastandards.org/Uploads/SampleItem/308/img/circle.JPG |
| 7) Find each measure. | 8) Find each measure. |
| 9) Does the point (-4, -4) lie in, on, or outside of the circle centered at (3, -5) and containing the point (5, 2)? | 10) Find the measure of the arc or angle indicated |
| 11) Solve for x. | 12) Find the measure of the arc or angle indicated |
| 13) Find x, y, zhttps://dr282zn36sxxg.cloudfront.net/datastreams/f-d%3A4e9fa23995200ff2bce5845a55ac0b9a3feedb20776807da7788843c%2BIMAGE%2BIMAGE.1 | 14) Find the measure of the arc or angle indicated. |
| 15) Solve for x.http://www.regentsprep.org/regents/math/geometry/gp15/PracPic2N10.gif | 16) Solve for x.http://www.regentsprep.org/regents/math/geometry/gp15/PracPic3N1.gif |
| 17) If $m<2=72$ and $m\hat{BC}=106$, find $m<1$ | 18) Find the exact circumference given the area of the circle |
| 19) Find the length of the arc as an exact measurement.  | 20) Find the area of the sector as an exact measurement.  |
| 21) Find the length of the radius as an exact measurement. | 22) Find the length of the radius as an approximate measurement. |
| 23) Answer in both exact and approximate. | 24) Find the measure of the central angle. Round to the nearest tenth. http://www.regentsprep.org/regents/math/geometry/gp15/arcPRAC44.gif |
| 25) | 26) |
| 27)  | 28) |
| 29) | 30) |
| 30) Round to the nearest tenth. | 31)  |

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