AOS Math 10 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

Homework Quiz 15/A (CALCULATOR)

On my Honor, I will not accept or provide any unauthorized aid on any test, quiz, or assignment.

Sign\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date : \_\_\_\_\_\_\_\_\_\_\_\_

1. **Identifying Center and Radius** Given the equation of a circle in standard form: . Write the center and radius of this circle.
2. **Creating an Equation** Write the equation of a circle in standard form that has a center at and a radius of .
3. **Completing the Square** The equation of a circle is given in general form: . Complete the square to find the center and radius of this circle.
4. **From Standard to General Form** Given the equation of a circle in standard form: . Write this equation in general form.
5. **Equation with Given Area and Point** Write the equation of a circle that has an area of square units and passes through the point on the x-axis. (Multiple answers are possible. Try to find an easy one!)

AOS Math 10 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

Homework Quiz 15/B (CALCULATOR)

On my Honor, I will not accept or provide any unauthorized aid on any test, quiz, or assignment.

Sign\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date : \_\_\_\_\_\_\_\_\_\_\_\_

1. **Identifying Center and Radius** Given the equation of a circle in standard form: . Write the center and radius of this circle.
2. **Creating an Equation** Write the equation of a circle in standard form that has a center at and a radius of .
3. **Completing the Square** The equation of a circle is given in general form: . Complete the square to find the center and radius of this circle.
4. **From Standard to General Form** Given the equation of a circle in standard form: . Write this equation in general form.
5. **Equation with Given Area and Point** Write the equation of a circle that has an area of square units and passes through the point on the x-axis. (Multiple answers are possible. Try to find an easy one!)

AOS Math 10 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

Homework Quiz 15/C (CALCULATOR)

On my Honor, I will not accept or provide any unauthorized aid on any test, quiz, or assignment.

Sign\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date : \_\_\_\_\_\_\_\_\_\_\_\_

1. **Identifying Center and Radius** Given the equation of a circle in standard form: . Write the center and radius of this circle.
2. **Creating an Equation** Write the equation of a circle in standard form that has a center at and a radius of .
3. **Completing the Square** The equation of a circle is given in general form: . Complete the square to find the center and radius of this circle.
4. **From Standard to General Form** Given the equation of a circle in standard form: . Write this equation in general form.
5. **Equation with Given Area and Point** Write the equation of a circle that has an area of square units and passes through the point on the x-axis. (Multiple answers are possible. Try to find an easy one!)