Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Graph the circle. Identify the center and radius.** **3.** $ (x+2)^{2}+(y-3)^{2}=4$**Center\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Radius \_\_\_\_\_\_\_\_** |
| **Write the equation of the circle. Identify the center and radius.** **4. ends of diameter  (18, -13) and (4, -3)** |
| **Write the equation of the circle.** **5. center (0, 13) and area 25π** |
| **Write the equation of the circle in general form. Identify the center and radius.** **6.**$ y^{2}+4x-20-2y=-x^{2}$**Equation\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Center\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Radius\_\_\_\_\_\_\_\_\_\_\_** |
| **7. Plot the points A(1, 4), B(4, 5), and C(5, 2)**1. **Calculate the perimeter of the triangle (add up all the sides).**
2. **Calculate the area of the triangle (a = ½ bh)**
3. **Classify the triangle.**
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