

HOMEWORK Writing Equations of Circles**Use the information provided to write the equation of each circle.**

1) Center: $(-4, 16)$
Radius: 2

2) Center: $(0, -8)$
Radius: $\sqrt{3}$

3) Center: $(0, 0)$
Radius: 14

4) Center: $(10, 12)$
Point on Circle: $(11, 18)$

5) Center: $(0, 0)$
Point on Circle: $(-12, -4)$

6) Ends of a diameter: $(-15, 5)$ and $(-9, 7)$