Math 2

Name_____

Quiz 6.5-6.6 Equations of Circles & Evaluating Functions

Period_____
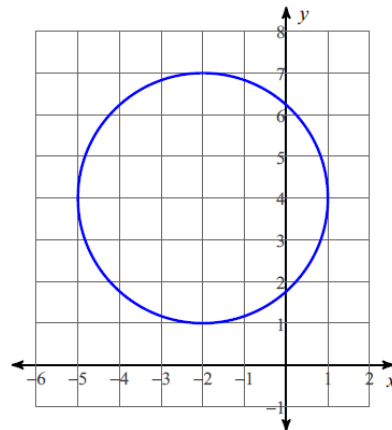
Use the information provided to write the equation of each circle.

1) Center: $(14, 10)$
   Radius: $\sqrt{14}$

2) Center: $(-13, 3)$
   Point on Circle: $(-11, 1)$

3) Center: $(-6, -10)$
   Circumference: 14π

4)

Evaluate each function.

5) $f(a) = a - 2$; Find $f(7)$

6) $g(n) = -3|n + 3|$; Find $g(-9)$

7) $h(a) = 3a + 1$; Find $h(a + 1)$

8) $f(n) = n^3 + n^2$; Find $f(-3n)$

Math 2   Name_____

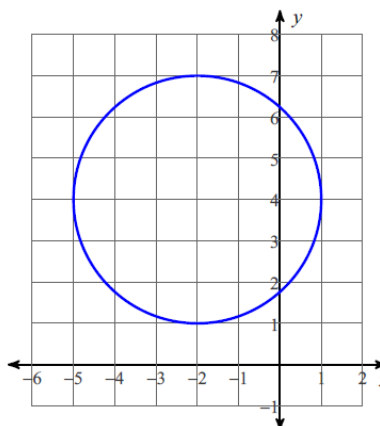## Quiz 6.5-6.6 Equations of Circles & Evaluating Functions   Period____

Use the information provided to write the equation of each circle.

1) Center: $(14, 10)$ $(x-14)^2 + (y-10)^2 = 14$

   Radius: $\sqrt{14}$

2) Center: $(-13, 3)$ $(x+13)^2 + (y-3)^2 = 8$

   Point on Circle: $(-11, 1)$

3) Center: $(-6, -10)$

   Circumference: 14π

   $(x+6)^2 + (y+10)^2 = 49$

4)

   $(x+2)^2 + (y-4)^2 = 9$

Evaluate each function.

5) $f(a) = a - 2$; Find $f(7)$

   5

6) $g(n) = -3|n+3|$; Find $g(-9)$

   -18

7) $h(a) = 3a + 1$; Find $h(a+1)$

   $3a + 4$

8) $f(n) = n^3 + n^2$; Find $f(-3n)$

   $-27n^3 + 9n^2$