

## Section 6.2

74. Center =  $(-1, -3)$   
radius = 3

$$(x-h)^2 + (y-k)^2 = r^2$$

$$(x+1)^2 + (y+3)^2 = 9$$

88.  $x^2 + y^2 + 2x + y + 1 = 0$

$$(x^2 + 2x) + (y^2 + y) = -1$$

$$(x^2 + 2x + 1) + (y^2 + y + \frac{1}{4}) = -1 + 1 + \frac{1}{4}$$

$$(x+1)^2 + (y + \frac{1}{2})^2 = \frac{1}{4}$$

$$\text{Center} = (-1, -\frac{1}{2})$$
$$\text{radius} = \frac{1}{2}$$