

Conics – Circles

I can identify a circle in both General and Standard Form.

I can convert the equation of a circle from General Form to Standard Form.

I can graph a circle.

The General Form of a Circle:

The Standard Form of a Circle:

Converting the equation of a circle from General Form to Standard Form.

A) $x^2 + y^2 + 4x - 32y + 256 = 0$

B) $x^2 + y^2 + 12x - 8y + 27 = 0$

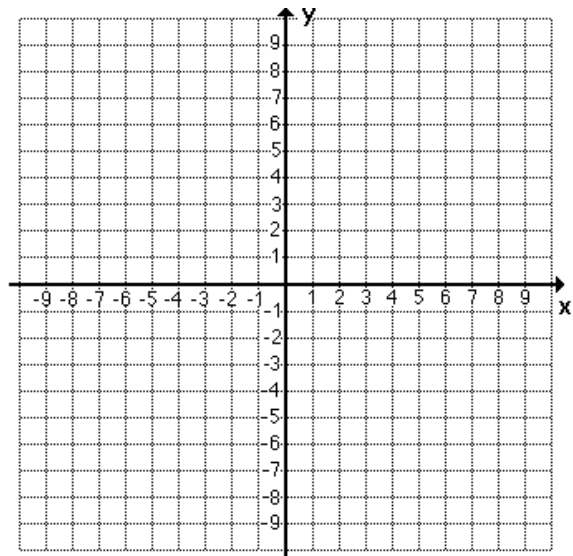
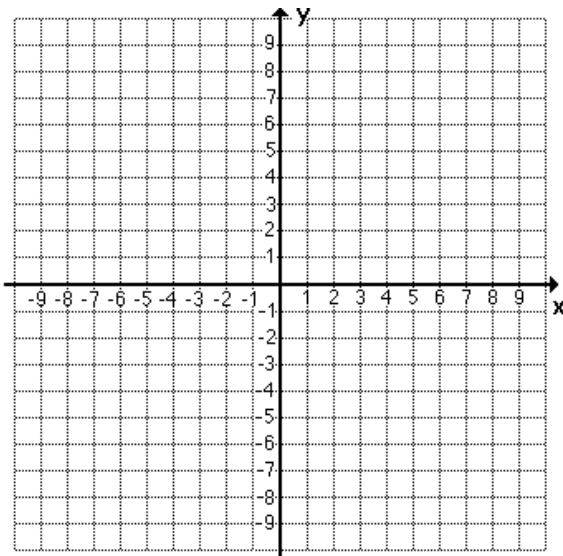
C) $3x^2 + 3y^2 + 18x - 48y - 24 = 0$

D) $x^2 + y^2 - 8x + 6y + 96 = 0$

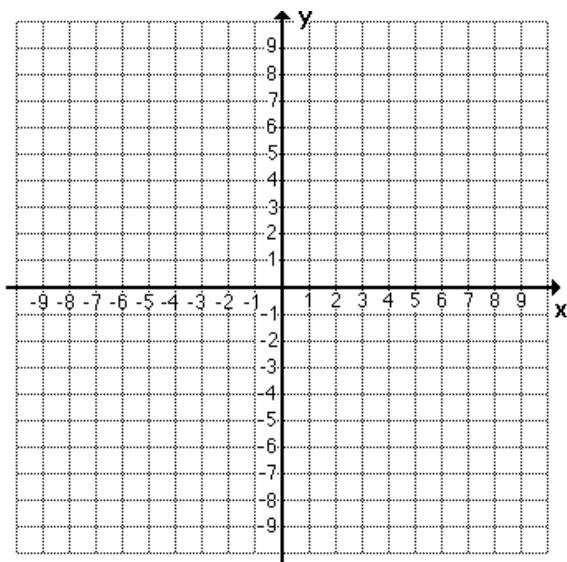
Graph the following

E) $(x+4)^2 + (y+1)^2 = 4$

F) $(x-3)^2 + (y+2)^2 = 16$



G) $(x-5)^2 + y^2 = 4$



H) $(x+2)^2 + (y-4)^2 = 12$

