

Algebra II Review Unit 7 page 1 _____

Given the coordinates of points P and Q, find PQ. (Round your answers to the nearest tenth.)
Show your method neatly organized.

1. $P(2, -3)$ and $Q(-2, 0)$ $PQ =$ _____

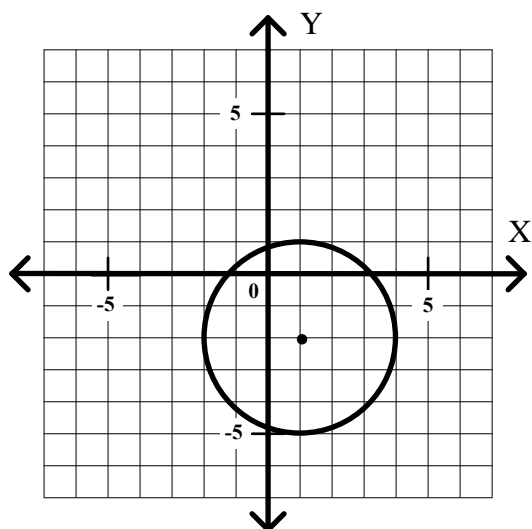
2. $P(3, 5)$ and $Q(7, 1)$ $PQ =$ _____

3. $P(-3, -1)$ and $Q(2, 5)$ $PQ =$ _____

4. $P(1.7, 3.5)$ and $Q(0, -2.3)$ $PQ =$ _____

For each of the following graphs, find the standard form equation and the general form equation. Show your work neatly organized.

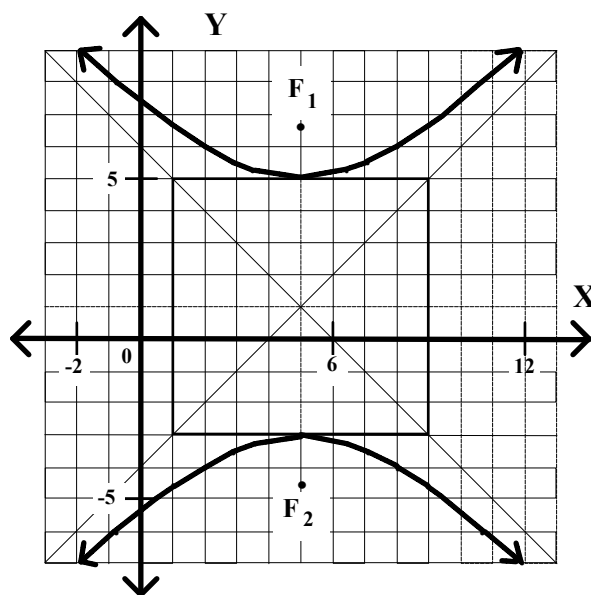
5.



Standard Form: _____

General Form: _____

6.



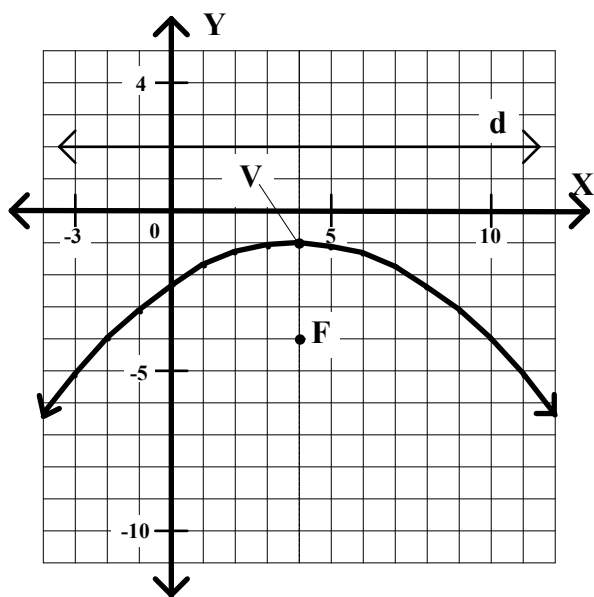
Standard Form: _____

General Form: _____

Algebra II Review Unit 7 page 2

For each of the following graphs, find the standard form equation and the general form equation. Show your work neatly organized.

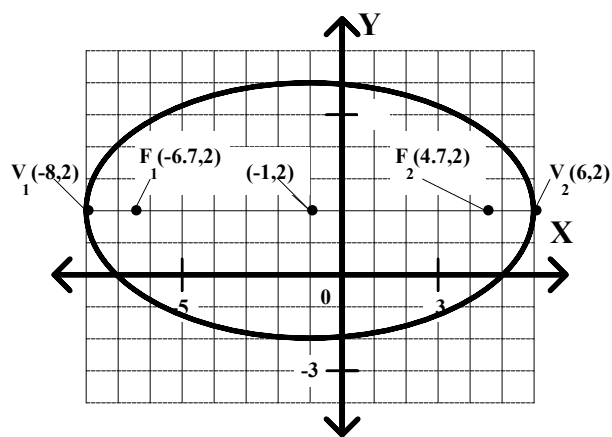
7.



Standard Form: _____

General Form: _____

8.



Standard Form: _____

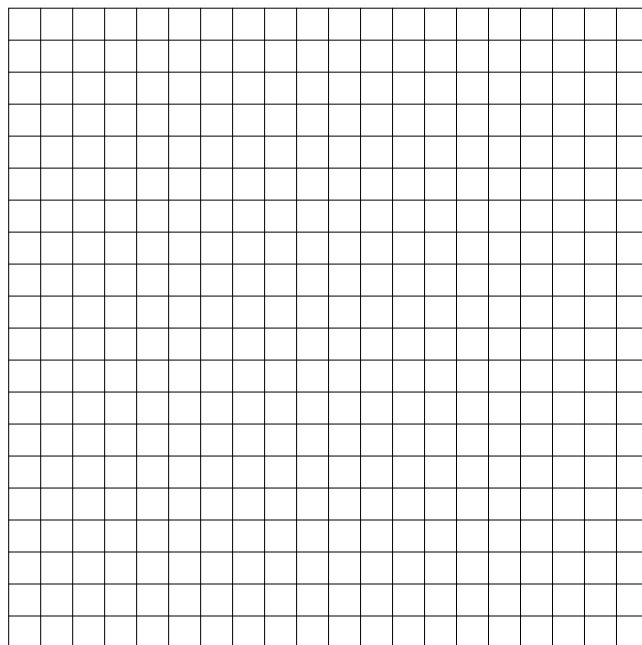
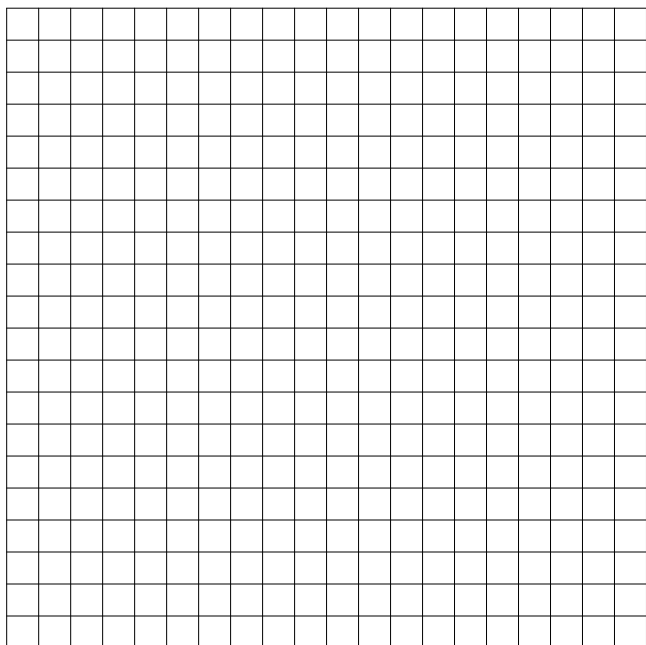
General Form: _____

Algebra II Review Unit 7 page 3

Identify each equation as that of a circle, ellipse, hyperbola, or parabola, and express the equation in standard form and sketch its graph.

9. $y^2 + 4x + 2y - 11 = 0$

10. $25x^2 + 16y^2 - 250x - 32y + 241 = 0$



Algebra II Review Unit 7 page 4

Identify each equation as that of a circle, ellipse, hyperbola, or parabola, and express the equation in standard form and sketch its graph.

11. $x^2 + y^2 - 6x + 4y - 3 = 0$

12. $9x^2 - 16y^2 + 36x - 32y + 164 = 0$

