Algebra 2
Chapter 10 Test Review

Name: _____ Hour: _____

Given two points, find the distance between them and give the midpoint as an ordered pair.

1. $(-4, 5)$ & $(0, 0)$ Work Shown:

Distance: _____

Midpoint: _____

2. $(7, 0)$ & $(3, -2)$ Work Shown:

Distance: _____

Midpoint: _____

3. $(9, 1)$ & $(3, 6)$ Work Shown:

Distance: _____

Midpoint: _____

4. $(-8, -2)$ & $(-5, 3)$ Work Shown:

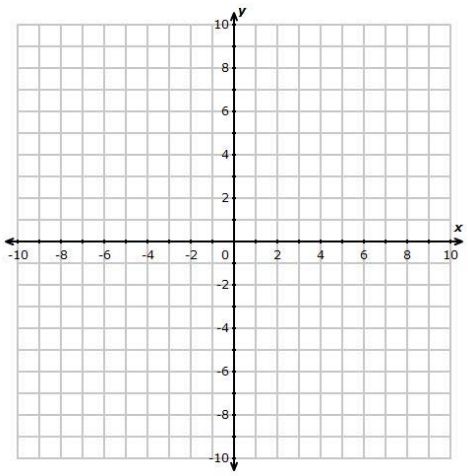
Distance: _____

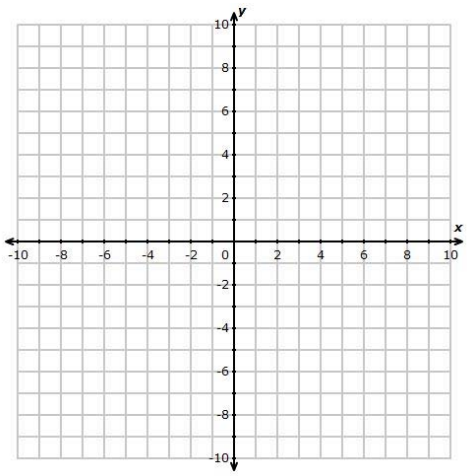
Midpoint: _____

Graph the following equations. (Circles, Ellipses, & Hyperbolas)

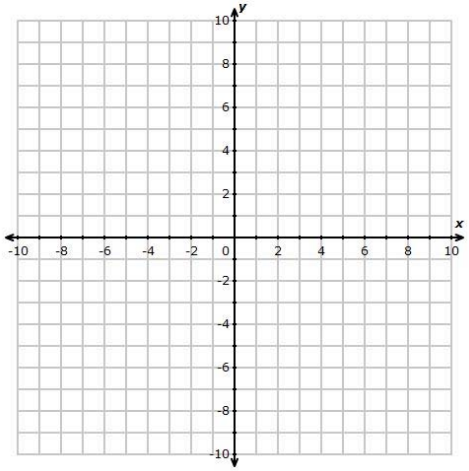
5. $\frac{x^2}{16} + \frac{(y+2)^2}{4} = 1$

6. $\frac{(x-1)^2}{25} = \frac{(y-3)^2}{9} + 1$

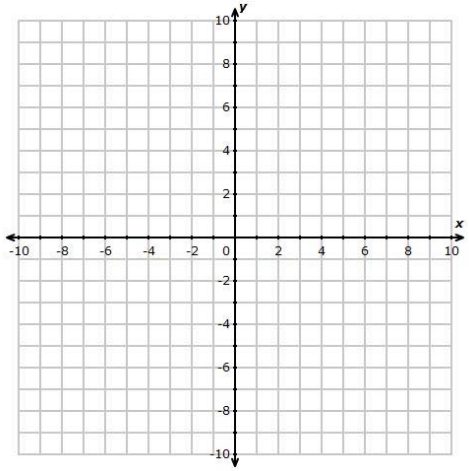




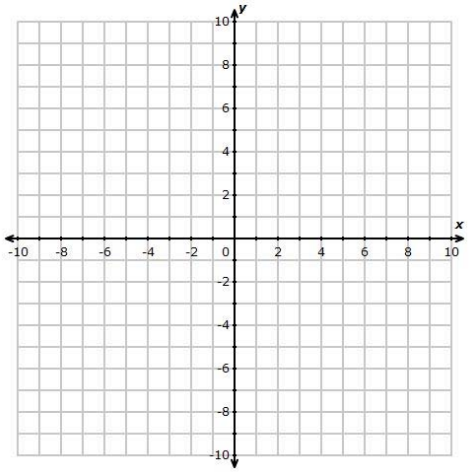
7. $y^2 + (x+1)^2 = 16$



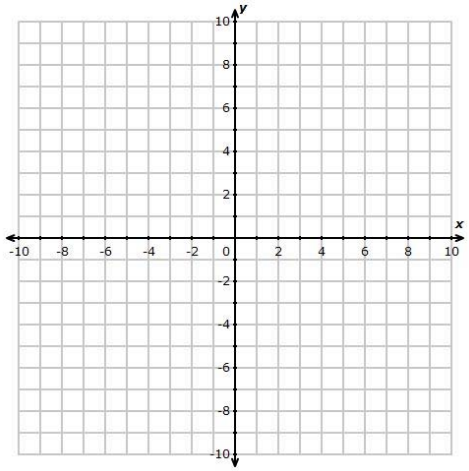
8. $4(x-6)^2 - (y+3)^2 - 16 = 0$



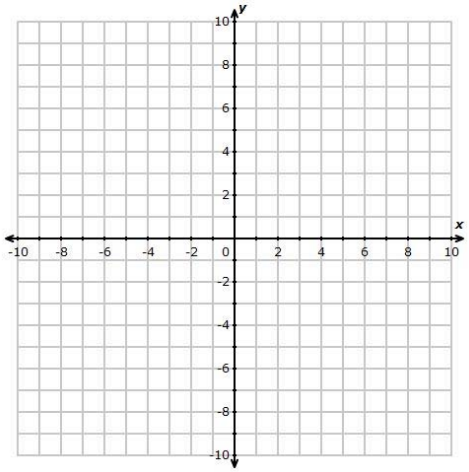
9. $\frac{x^2}{9} + (y+2)^2 = 4$



10. $49 - x^2 - y^2 = 0$



11. $\frac{4(x+5)^2}{16} + \frac{(y-1)^2}{4} = 1$



12. $y^2 - \frac{(x-2)^2}{4} = 9$