QUIZ 10 - MATH 152 YOUR NAME:

Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [5 points] An ellipse has foci at (-3,0) and (3,0) and semiminor axis 4. Find the vertices and write an equation for the ellipse.

3. [5 points] A hyperbola with vertices (2,4) and (2,6) has eccentricity 2. Find its foci, its asymptotes and give an equation for the hyperbola.