| Math 223 | Spring 97–Sec. 11 | Name: | Please, be neat and |
| Quiz # 2 | Alberto Corso | | show all your work; |
| | | | circle your answer. |

1. Which of these functions corresponds to the graph below?

A:   $x^2 - 2x + 3$;     B:   $-x^2 - 2x + 3$;     C:   $-x^2 + 2x + 3$;     D:   $-x^2 + 2x - 3$.

pts:   /5

3. The supply and demand functions for a certain commodity are given by

$$S(p) = 15p \qquad D(p) = 100 - p^2,$$

respectively.

1. Find all the points where the graphs of $S$ and $D$ intersect.
2. At what price, $p$, will the market be in equilibrium?

pts:   /5

grade:   /10