

### 5. D. Graph for (5.C)

Here is the graph of the curve defined by  $y(6 - y) = x^3 - x$ . The red horizontal line is defined by the equation  $x = 3$ , and the black vertical line is the  $y$  - axis. The curve meets the  $y$  - axis at the points  $(6, 0)$  and  $(0, 0)$ .

