

There are two exercises on this part of the exam - **the second one is on the other side**. Each is worth six points, and **you are NOT to use a calculator for this part of the exam**.

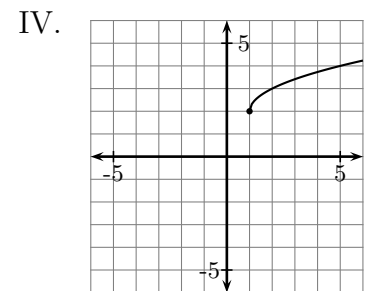
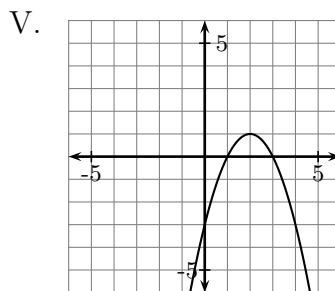
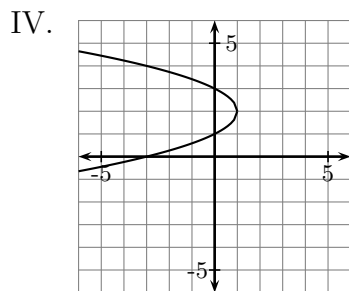
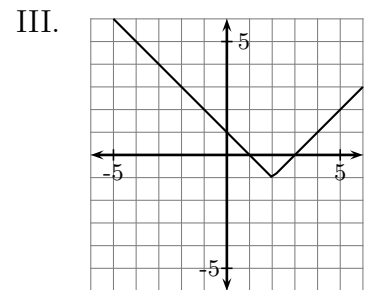
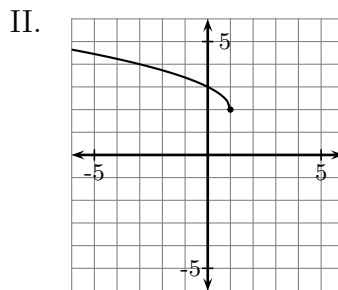
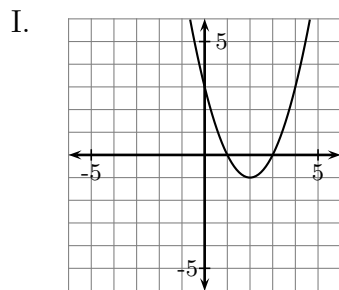
1. Match each equation with one of the graphs below. You should be able to do this without plotting any, or very many, points. Use the space at the bottom of the page for any calculations you care to do.

\_\_\_\_\_ (a)  $y = \sqrt{1-x} + 2$

\_\_\_\_\_ (b)  $y = -x^2 + 4x - 3$

\_\_\_\_\_ (c)  $y = |x - 2| - 1$

\_\_\_\_\_ (d)  $x = -y^2 + 4y - 3$



2. Find the  $x$ - and  $y$ -intercepts of  $y = x^2 - x - 6$ . Put your answers in the blanks provided, and show your work in the space below.

$x$ -intercept(s): \_\_\_\_\_

$y$ -intercept(s): \_\_\_\_\_