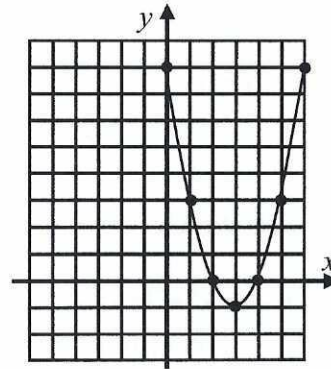


Do Now

① The graph of $y = x^2 - 6x + 8$ is shown. The roots of the equation $x^2 - 6x + 8 = 0$ are

- (1) {8}
- (2) {2, 4}
- (3) {3}
- (4) {-1}



② How many solutions does the following system of equations have?

$$y = 3x^2 + 2x + 5$$
$$y = -x - 2$$

- (1) 1
- (2) 2
- (3) 3
- (4) 0

③ If the two x -intercepts of the graph of a quadratic function are -3 and 9 , then the equation of the axis of symmetry is

- (1) $x = 6$
- (2) $x = -1$
- (3) $x = 3$
- (4) $x = 4$

④ If one x -intercept of the graph of a quadratic function is 4 and the axis of symmetry has an equation of $x = 7$, then what is the other x -intercept?