## Exercises - Graphs of Quadratic Equations



Questions 1 and 2 refer to the following information.


The graph of quadratic function $y=x^{2}-6 x+5$ is shown above.

## 1

Which of the following is an equivalent form of the equation of the graph shown above, from which the coordinates of vertex $V$ can be identified as constants in the equation?
A) $y=(x-1)(x-5)$
B) $y=(x+1)(x+5)$
C) $y=x(x-6)+5$
D) $y=(x-3)^{2}-4$

## 2

Which of the following is an equivalent form of the equation of the graph shown above, that displays the $x$-intercepts of the parabola as constants?
A) $y=(x-1)(x-5)$
B) $y=(x+1)(x+5)$
C) $y=x(x-6)+5$
D) $y=(x-3)^{2}-4$

