Find the vertex, axis of symmetry, and vertex form of the function given in standard form without completing the square.
Then find the x-intercepts by using the vertex form of the equation.

1. $y=-3 x^{2}+6 x+5$

Find the vertex, axis of symmetry, and vertex form of the function given in standard form by completing the square.
2. $y=x^{2}-10 x+5$

Find the vertex, axis of symmetry, and vertex form of the function given in standard form without completing the square. (Use $x=-b / 2 a$ )
Then find the $x$-intercepts using the vertex form of the equation
2. $y=2 x^{2}-10 x+5$

Find the vertex, axis of symmetry, and vertex form of the function given in standard form by completing the square. Then find the x-intercepts using the quadratic formula
2. $y=2 x^{2}-10 x+5$

1. Find the equation of the quadratic function given the following information.
2. Then find the x-intercepts of the function.

Vertex (-1, 5) Point on the quadratic function (-4, -5 )

Find the vertex, axis of symmetry, and vertex form of the function given in standard form without completing the square. (Use $x=-b / 2 a$ )
Then find the $x$-intercepts using the vertex form of the equation

$$
\text { 2. } y=2 x^{2}-4 x-1
$$

Find the vertex, axis of symmetry, and vertex form of the function given in standard form by completing the square. Then find the x-intercepts using the quadratic formula
2. $y=2 x^{2}-4 x-1$

