Find the equation of the linear function in all three forms that passes through the points (-4, -1) and (-9, 2).

Find the vertex of the function without completing the square. Write the function in vertex form. Find the x-intercepts without using the quadratic formula.

$$f(x) = x^2 + 4x - 6$$

Write each function in vertex form by completing the square. Give the vertex. Find the x-intercepts by using the quadratic formula.

$f(x) = 2x^2 + 6x + 7$

$g(x) = 5x^2 - 25x + 12$

Find the equation of the quadratic function that has a vertex of (-2, 5) and passes through the point (1,2).