**Writing Quadratic Functions in Factored Form**

Use your understanding of quadratic functions and algebraic manipulation to write quadratic functions in factored form based on given information about the functions.

All functions should be placed in the form $f(x) = a(x-p)(x-q).$

1. Write a quadratic function that contains the points (-5,0), (3,0), and (0,-5).

1. Write a quadratic function that contains the points (2.5,0), (8,0), and (0,60).

1. Write a quadratic function that contains the point (-2,0) and a vertex at (2,80).
2. Write a quadratic function that contains the point (8,0) and a vertex at (5,-4.5).