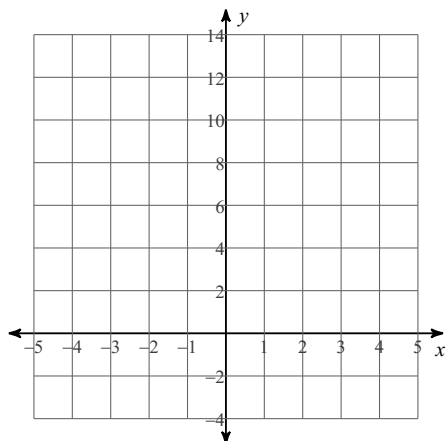
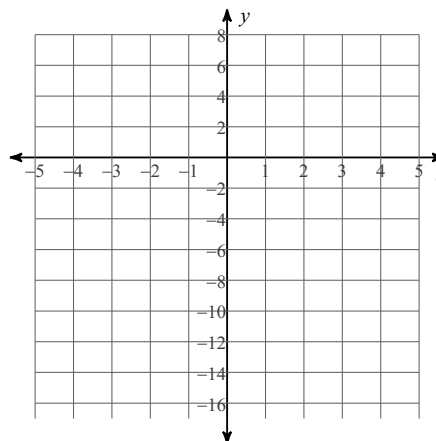


# Sketching the Graph of Polynomial Functions

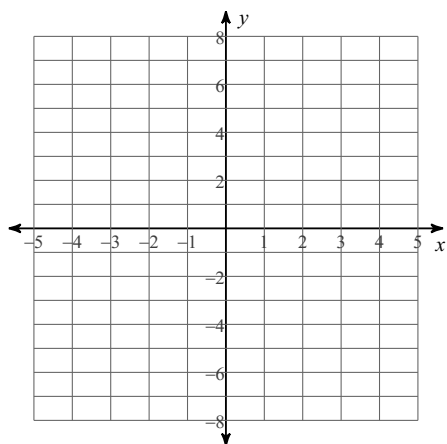
1) Sketch  $f(x) = (x + 3)(x - 1)(x - 2)$



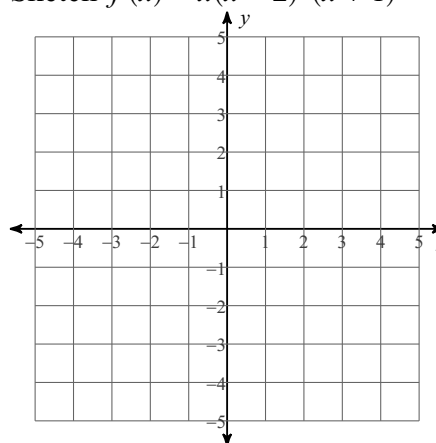
2) Sketch  $f(x) = x(x - 5)(x + 2)$



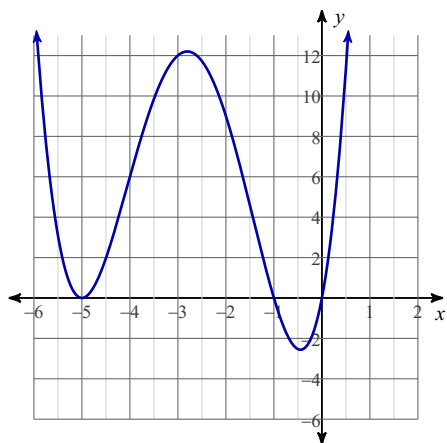
3) Sketch  $f(x) = (x - 2)^2 \cdot (x + 1)^2$



4) Sketch  $f(x) = x(x - 2)^3(x + 1)$



5) What is a possible equation for the graph below?



6) What is a possible equation for the graph below?

