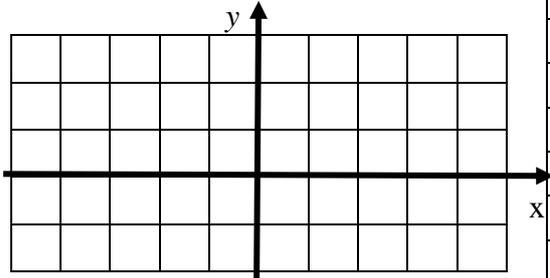


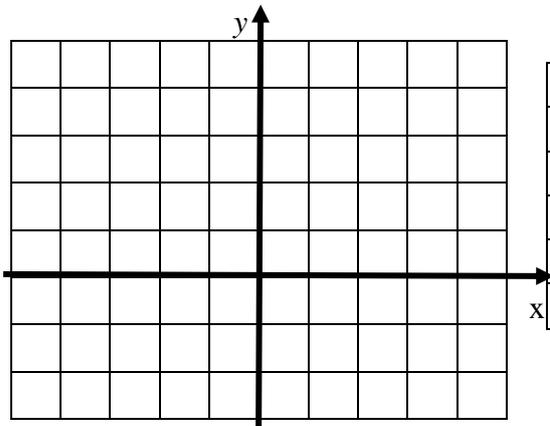
## Sketching Polynomial Graphs.

Sketch each graph on the axes provided being careful to show where the graphs cross the axes.

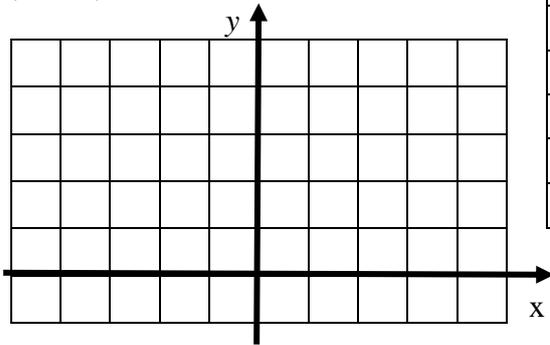
1.  $y = (x - 1)(x - 3)$



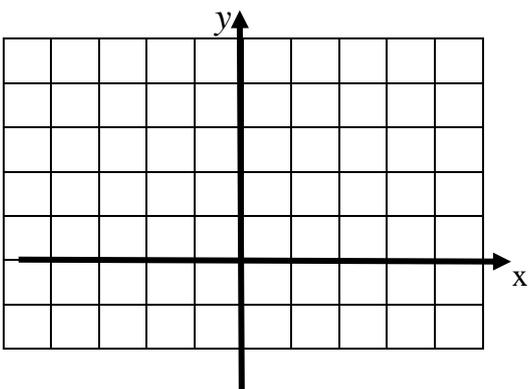
2.  $y = (x + 2)(x - 1)(x - 2)$



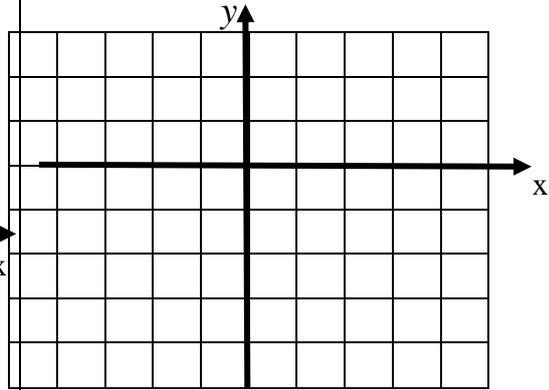
3.  $y = (x - 3)^2$



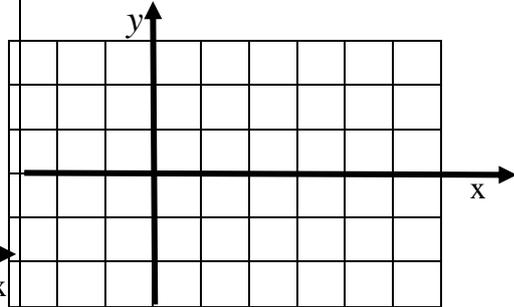
4.  $y = (x + 3)(x - 2)^2$



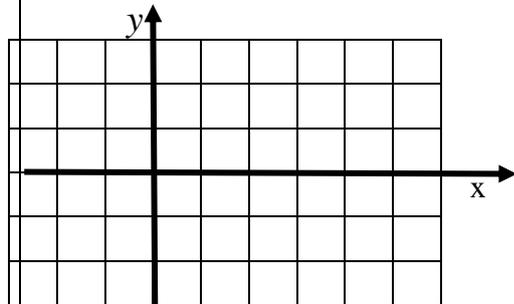
5.  $y = (x + 1)^2(x - 3)$



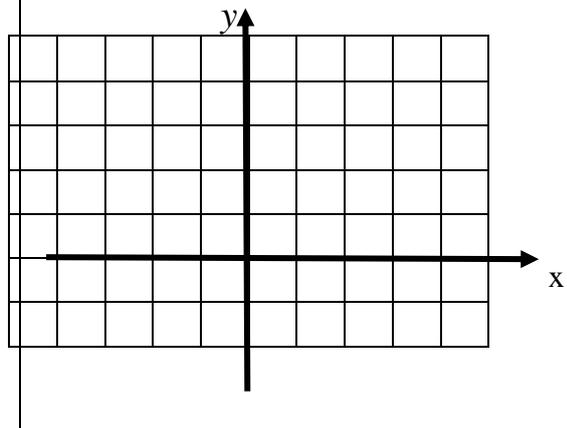
6.  $y = x(x - 4)^2$



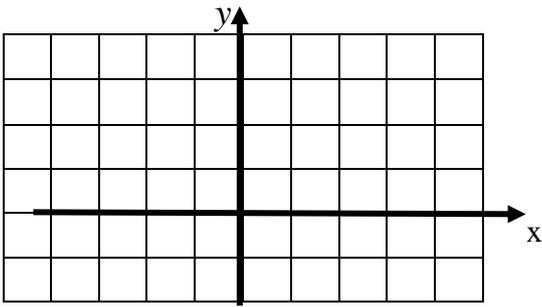
7.  $y = x^2(x - 3)$



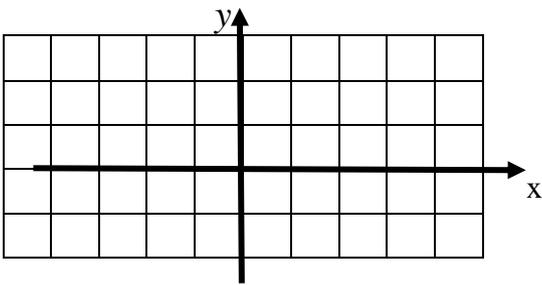
8.  $y = (x + 2)^2(x - 3)^2$



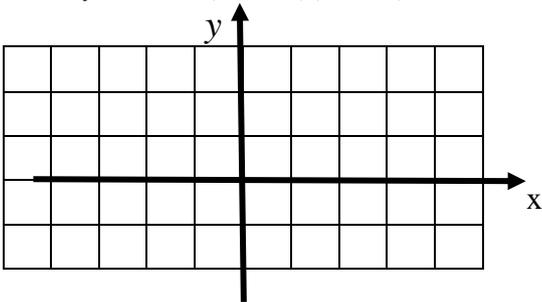
9.  $y = -x(x - 4)$



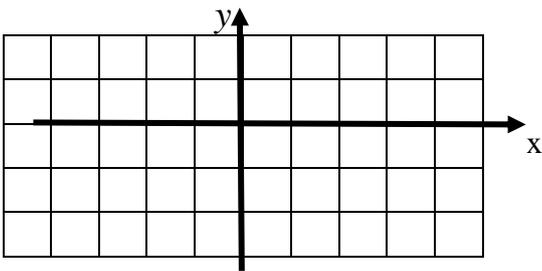
10\*.  $y = x(3 - x)$



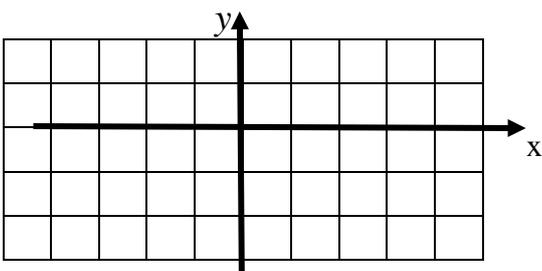
11.  $y = -x(x + 2)(x - 3)$



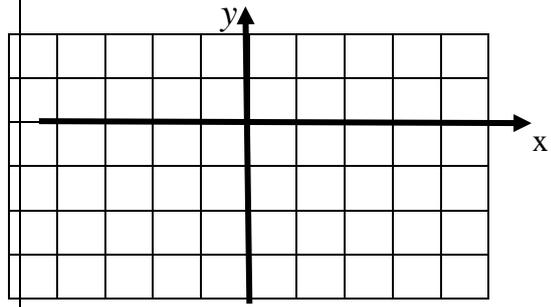
12.  $y = x(x - 2)(x - 4)$



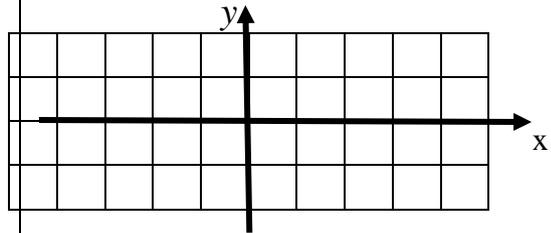
13.  $y = x(x + 2)(4 - x)$



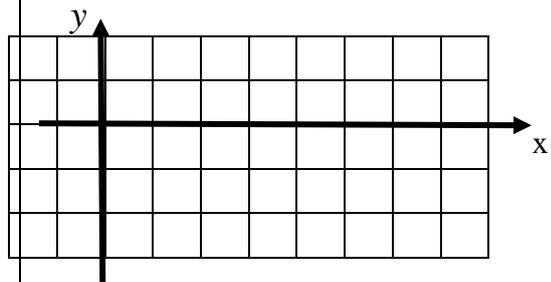
14.  $y = x^2 - 3x - 4 = ( \quad ) ( \quad )$



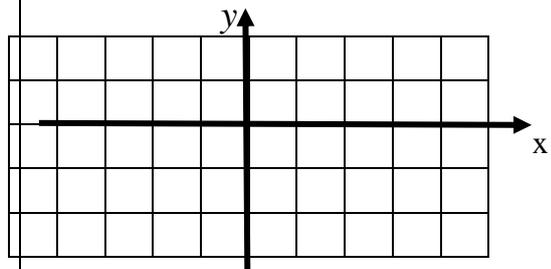
15.  $y = x^3 + x^2 - 2x = x( \quad ) ( \quad )$



16.  $y = x(x - 2)(x - 4)(x - 6)$



17.  $y = (x + 3)(x - 1)(x - 2)(4 - x)$



18.  $y = x(x - 2)^2(x - 4)(x - 6)^2$

