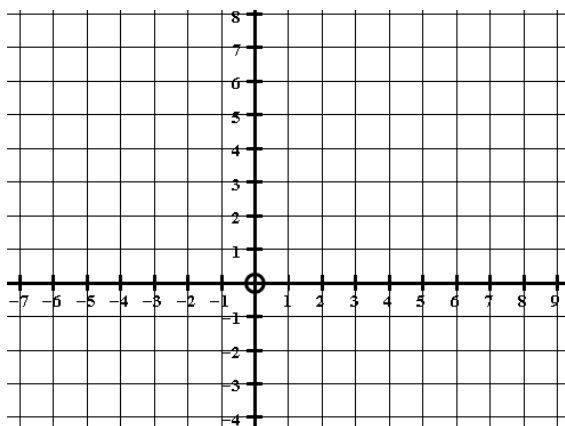
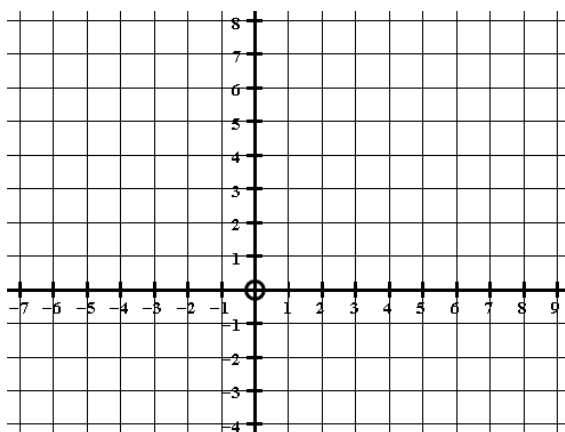


SKETCH THESE GRAPHS so that the SHAPE, POSITION and the x INTERCEPTS are very clear.
(NOTE: The y intercepts are not important for this exercise)

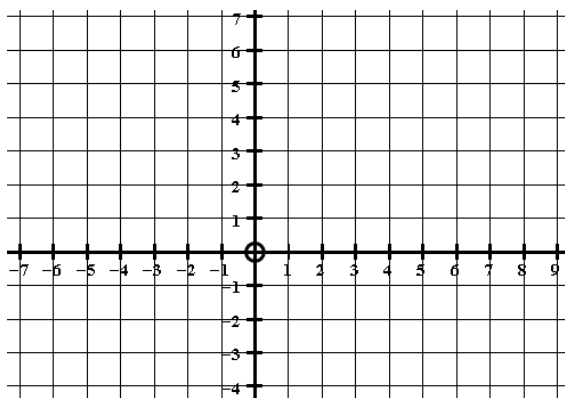
1. $y = (x + 1)(x - 3)$



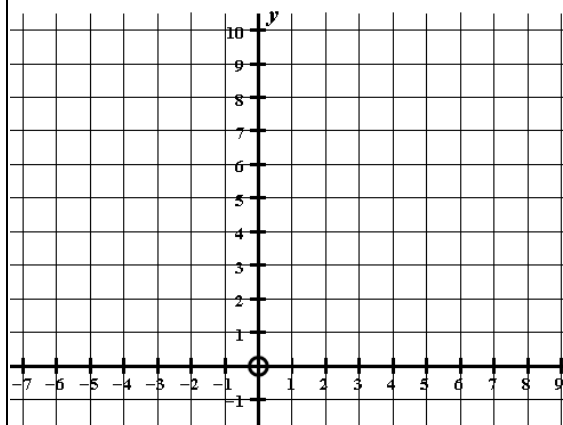
2. $y = (x - 1)(x - 2)(x - 4)$



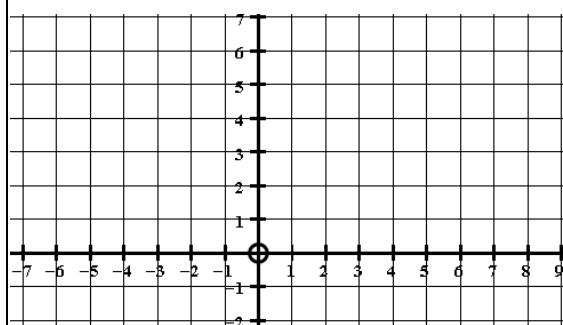
3. $y = x(x - 3)(x - 5)(x - 7)$



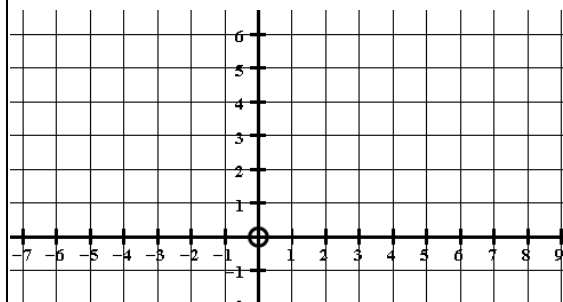
4. $y = (x - 3)^2$



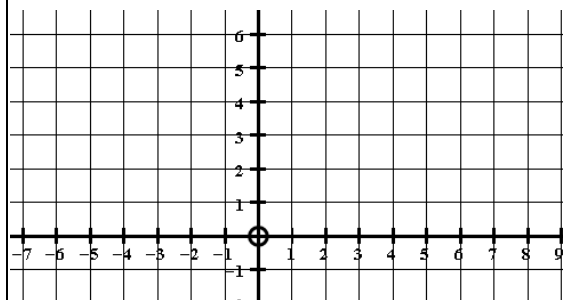
5. $y = x(x - 4)^2$



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



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

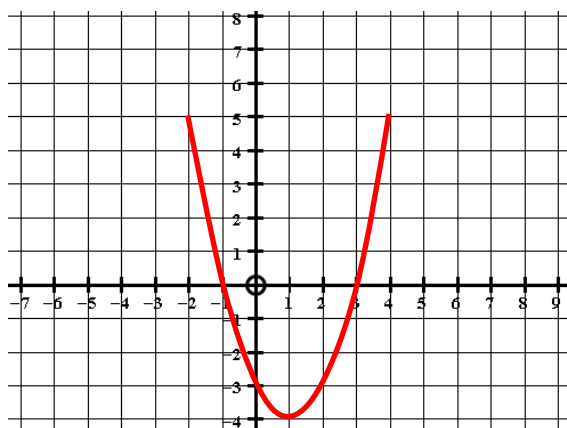


ANSWERS

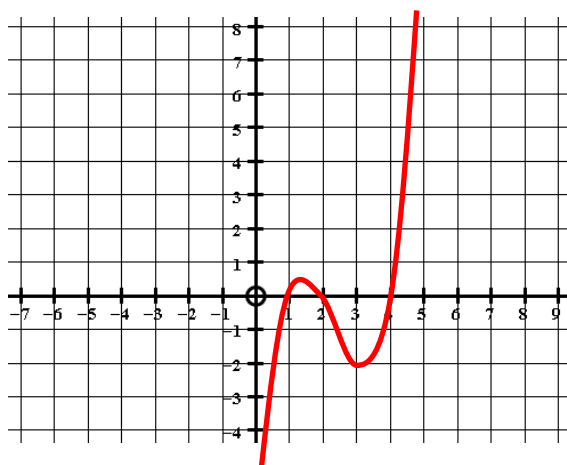
SKETCH THESE GRAPHS so that the SHAPE, POSITION and the x INTERCEPTS are very clear.

(NOTE: The y intercepts are not important for this exercise)

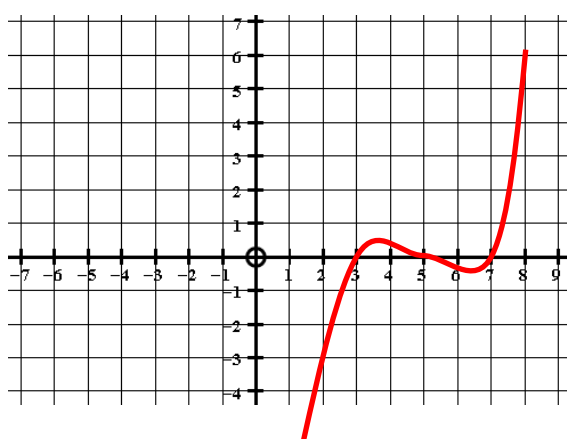
1. $y = (x + 1)(x - 3)$



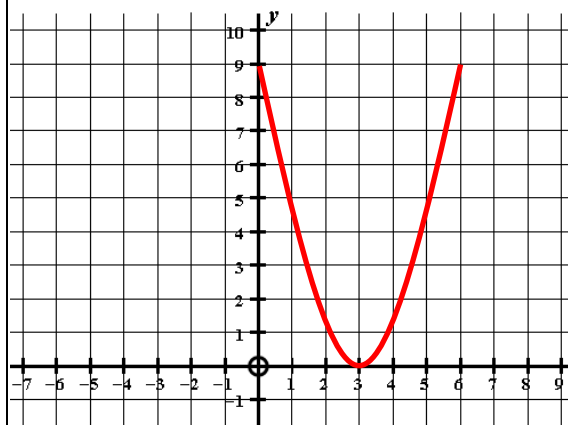
2. $y = (x - 1)(x - 2)(x - 4)$



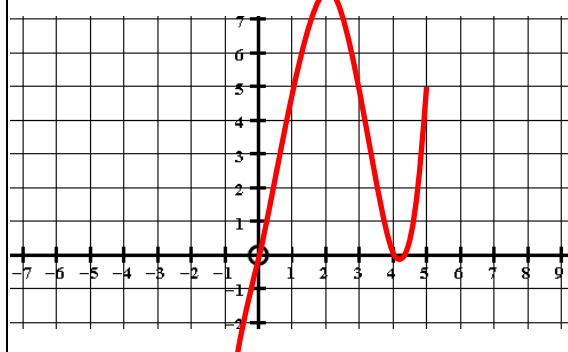
3. $y = x(x - 3)(x - 5)(x - 7)$



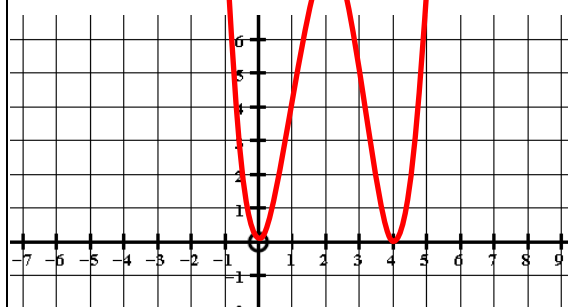
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