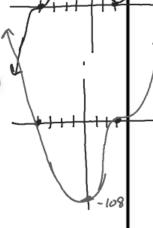
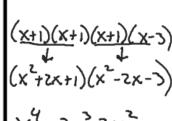
Write a polynomial function of minimum degree in factored form with real coefficients whose zeros and their multiplicities include those listed. Then sketch a graph and discuss what you notice.

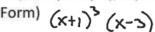
(0-5) (0+4) (9)(64)

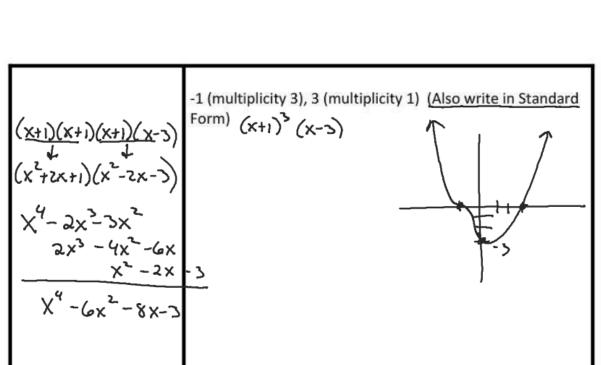
b) 3 (multiplicity 3), -4 (multiplicity 1) $= (x-3)^{3} (x+4)$ $= (x-3)^{3} (x+4)$ $= (x-3)^{3} (x+4)$ 1 (multiplicity 2), -2 (multiplicity 3) $= (x-1)^{3} (x+2)^{3}$



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$$\frac{(512)}{(5)}$$

$$\frac{-30}{25}$$

$$\frac{25}{06}$$

$$\frac{5}{11}$$

$$\frac{10}{0}$$