5 Question 2

1) $\lim_{x \to 3} \frac{(x+2)(x-4)^4}{(x-3)^3(x-5)^4} = 0$ $\lim_{x \to 3} \frac{(x-3)^3(x-5)^4}{(x-3)^3(x-5)^4} = 0$ $\lim_{x \to 3} \frac{(x-3)^3(x-5)^4}{(x-3)^3(x-5)^4} = 0$ $\lim_{x \to 3} \frac{(x-3)^3(x-5)^4}{(x-3)^3(x-5)^4} = 0$ positiv C approaching from the left so negative infinites 2) $\lim_{x \to 3^{+}} \frac{(x+2)(x-4)^{4}}{(x-3)^{3}(x-5)^{4}} = \frac{\text{nonzero}}{\text{zero}}$ approaching zero from the right. 3) I'm DNE, task I and 2 don't agree x+3 with their placement.