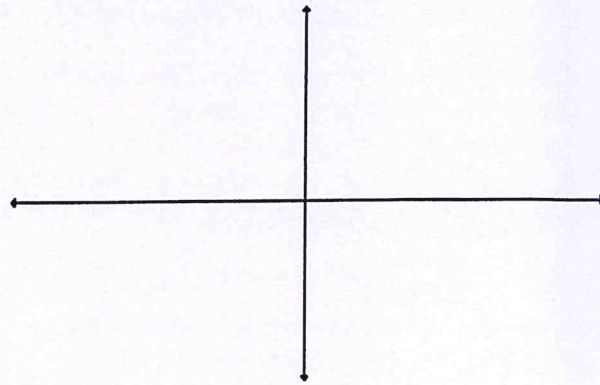
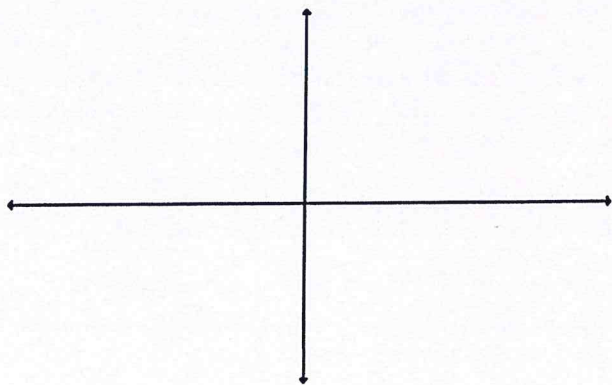


Sketch each function showing the proper end-behavior and shape around each zero.

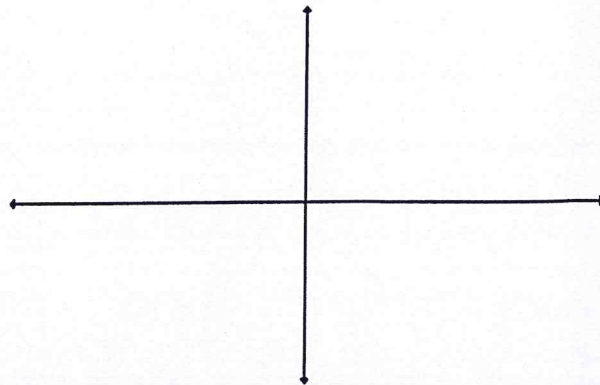
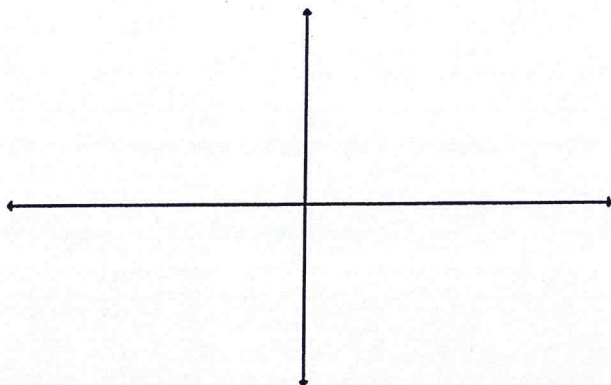
1. $y = (4 - x)^2(x + 3)(x + 1)$

2. $y = (x + 6)(7 - x)^3(x + 2)^3$



3. $y = (x - 1)^3(x + 5)(x - 8)(x - 4)^2$

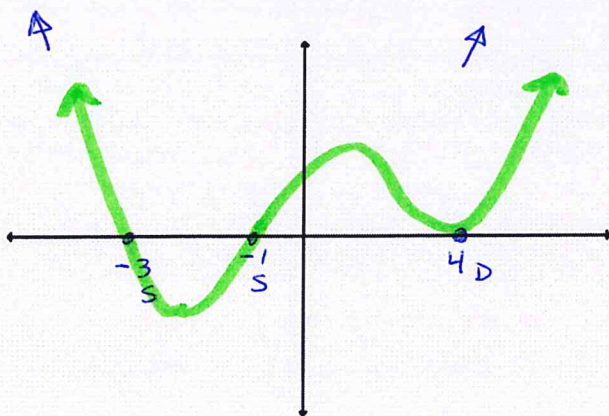
4. $y = -x^2(x - 3)^2(x - 6)^2(x + 7)^3$



Sketch each function showing the proper end-behavior and shape around each zero.

1. $y = (4-x)^2(x+3)(x+1)$ END-behavior:

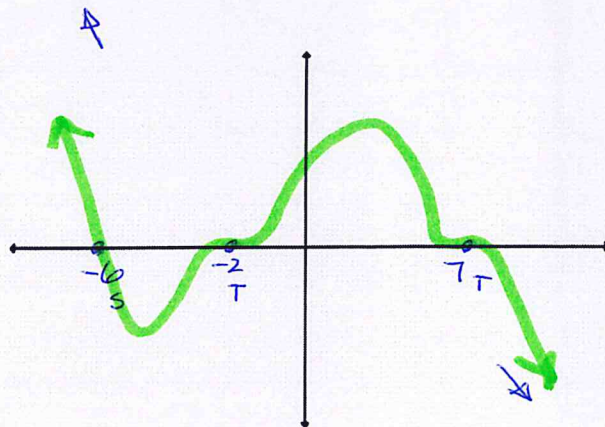
DEGREE: EVEN
LC: POS (↑, ↑)



2. $y = (x+6)(7-x)^3(x+2)^3$

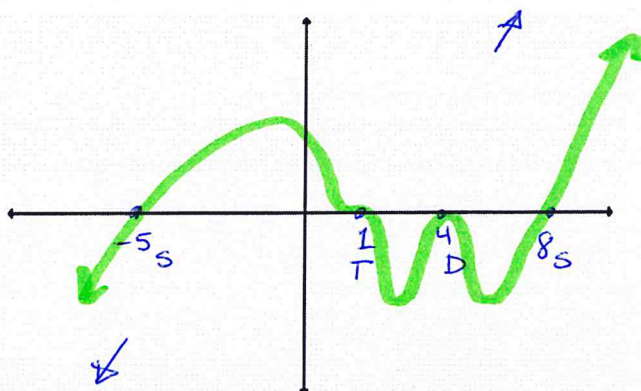
DEG: ODD
LC: NEG

END Behavior: (↑, ↓)



3. $y = (x-1)^3(x+5)(x-8)(x-4)^2$

DEG: ODD
LC: POS end behavior: (↓, ↑)



4. $y = -x^2(x-3)^2(x-6)^2(x+7)^3$

DEG: ODD
LC: NEG

end behavior: (↑, ↓)

