Poly N. + RATIONAL FUNCTION REVIEW 1) $f(x) = \frac{1}{2}7x^{2}+3x^{4}+2x^{2}+4x+1$ Old Degree Lim $f(x) = 1\infty$ 2/ -x⁶

(a-b) = Factor denom. + cance!

Multiply by Commundation. + cance!

All denoms.

Check for excluded Values

X+4 + x-7 = 1

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X+4 + x-7

1) Set >0 ve < 0

2) Make commundation

8) Pull out common factors

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Roots: -7 ±4i
x=-7 x=9i x=-4c
    (x+7)(x-4i)(x+4i)
    (x+7) (x2+16/2)
     x^3 + 16x + 7x^2 + 112 = 0
6 a-h Multiply by common donom +

cancel all donom

6 c-d ) set < 0 or > 0
            2) Make common donom
             3) Test Points
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8/ Pull out the common factors