Algebra 2 Name_____

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5.5B Conjugates Roots Thm. & Descartes' Rule of Signs: Book 18-29 all + this PS

Use Descartes to state the possible number of positive AND negative zeros for each function.

1) $f(x) = 25x^5 - 5x^4 + 105x^3 - 21x^2 + 20x - 4$

2) $f(x) = 5x^3 + 39x^2 - 43x + 7$

3) $f(x) = 9x^3 - 9x^2 + 23x - 14$

4) $f(x) = x^3 - 8$

5) $f(x) = 5x^5 - 6x^3 - 8x$

6) $f(x) = 2x^3 - 2x^2 + x - 1$

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