Advanced Math

2-7 (Day 2) Slant Asymptotes

slant asymptotes: Given the rational function f(x) = p(x)/q(x)
a: if degree of g(x) is one less than the degree of p(x), there is a slant asymptote.
To Find it, take g(x) p(x) and ignore the remainder.





Assignment

g. 280 50-54 even, 70-74 even, H1) $H(x) = \frac{x^2 - x - 12}{x^2 + x - 20}$ H2) $R(x) = \frac{x^3 + 2x^2 - 5x - 6}{x^2 - 4}$