Write up 6 for 361b

Robert Ebanks

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(1) When the denominator polynomial is two or more powers greater than the numerator. (2) It seems when $n = \inf$ the second converges. Examples:
Convergent
$1 + (n^2/n^4)$
$1 + .2^{\infty}$
Divergent
$1 + (n^4/n^5)$
$1 + .2^1$