

- 1) (4 pts) Rewrite each formula below so that it fits on 'one line' (see the examples from the notes). Use appropriate Fortran syntax for your expressions.

a) $y = \frac{x + 5}{x^3 - x^2}$

b) $v = w^{w^w}$

c) $w = \frac{1}{x + 1} - \frac{z}{x + y^2 + z^3}$

d) $f = \frac{x^2 + 2x - 5}{x^4 + 3x + \frac{1}{x^3 - 2x^2 + 4x - 7}}$

- 2) (3 pts) Write an F90 assignment statement that will assign a correct double precision value to y . Assume that x and y are declared to be double precision variables.

a) $y = 1 + \frac{1}{3.4x} - 9.7x^2$

b) $y = \frac{2x + 7.5}{6.1}$

d) $y = \frac{(x + 7.1)^2}{x - 4}$