Calculus AB

Direct Variation -

Inverse Variation -

Joint Variation -

Exponential Variation -

Solve the differential equation. (pg 420)

2) $\dfrac{dy}{dx} = 6 - x$

4) $\dfrac{dy}{dx} = 6 - y$

Solve the differential equation.

8) $y' = x(1 + y)$

Write and Solve the differential equation that models the verbal statement.

12) The rate of change of P with respect to t is proportional to $25 - t$