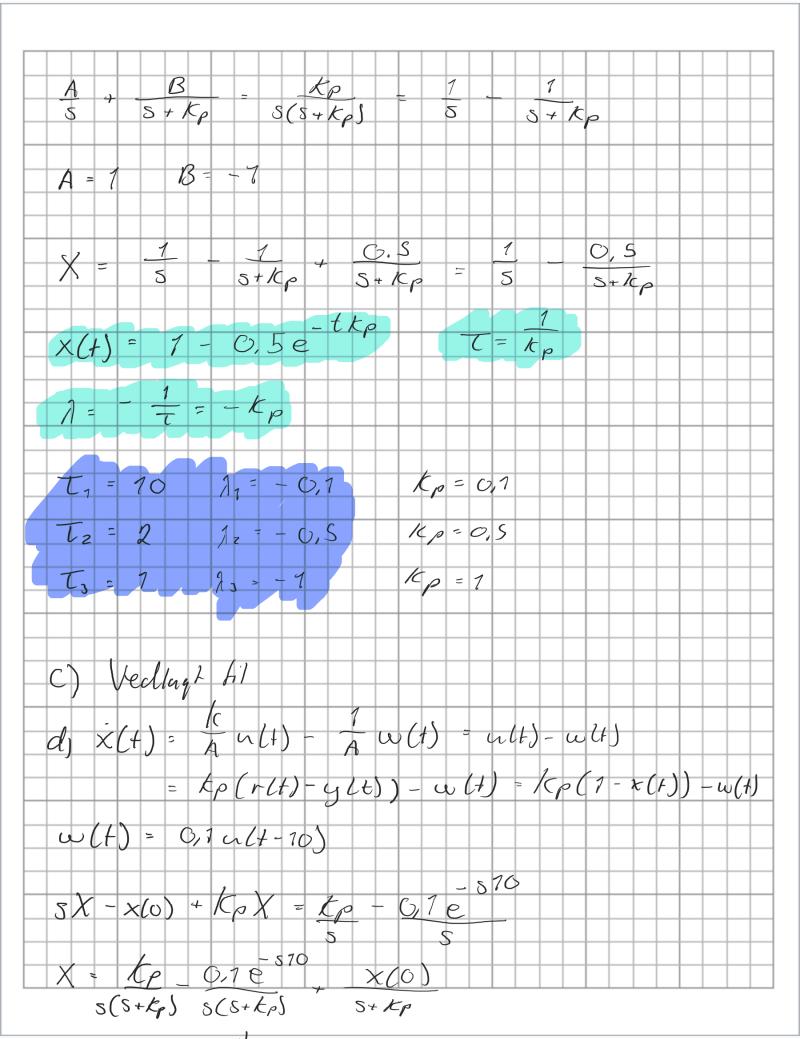
TTK4105 OUNG 7 Christian Le

X = Vceshestand W - Temming A - Granflate y = mailing
$u = Vert lapmy$ $\dot{x}(t) = ku(t) - \frac{1}{A}\omega(t) y(t) = x(t)$
$u(t) = k_p(r(t) - y(t))$ \(\tau = \alpha nshel \text{unshad} \) $e = annk \(e(b) = r(b) - y(b) \)$
1 Vedlagt fil
2 a) Veellagt fil 6) y(t) = x(t) x(0) = 0.5
$ \frac{k}{x(t)} = \frac{k}{A} u(t) - \frac{1}{A} u(t) = u(t) = kp(r(t) - y(t)) $ $ = kp(1-x(t)) $
$x(t) + k_{p} \times (t) = k_{p} \qquad (Usmey Le Place)$ $sX - x(0) + k_{p}X = k_{p} \Rightarrow X = k_{p} \qquad x(0)$ $sX - x(0) + k_{p}X = k_{p} \Rightarrow X = k_{p} \qquad x(0)$ $sX - x(0) + k_{p}X = k_{p} \Rightarrow X = k_{p}$
Partial diff



Part. cliff

