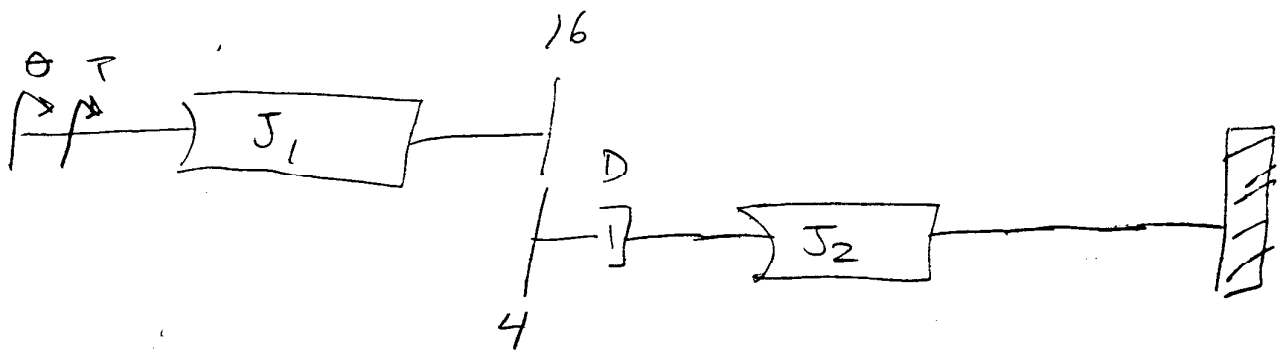ECE 365   QS   02/15/00
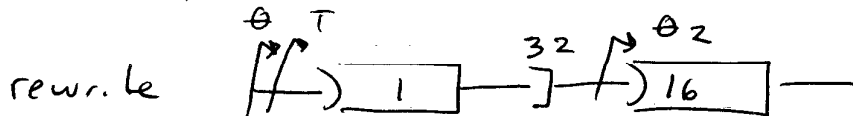
Name:

Honor Code:

KEY

Write $\dfrac{\theta(\Delta)}{T(\Delta)}$ for the following. Simplify!

Use $J_1 = J_2 = 1$ and $D = 2$

rewrite

(1) $T(\Delta) = \theta(0)\left[\Delta^2 + 32\Delta\right] + \theta_2(\Delta)\left[-32\Delta\right]$

(2) $0 = \theta(\Delta)\left[-32\Delta\right] + \theta_2(\Delta)\left[16\Delta^2 + 32\Delta\right]$

$\Downarrow$

$$\frac{\theta(\Delta)}{T(\Delta)} = \frac{\Delta + 2}{\Delta^2(\Delta + 34)}$$