## ASSIGNMENT 2

## Scanned with CamScanner

3. 
$$F(s) = \frac{s^{4} + 2s^{3} + 3s^{2} + 4s + 5}{s(s+1)}$$

$$s^{2} + s + \frac{5}{s^{4} + 2s^{3} + 3s^{2} + 4s + 5}$$

$$s^{2} + s + \frac{5}{s^{4} + 2s^{3} + 3s^{2} + 4s + 5}$$

$$\frac{s^{3} + s^{2}}{s^{3} + s^{2}}$$

$$\frac{2s^{2} + 4s}{2s + 5}$$

$$2s^{2} + 2s$$

$$2s + 5$$

$$2s + 6$$

$$2s + 6$$

$$3s + 1$$

$$3s $$3s + 1$$