

Math 1324
Test 1 Formula Sheet

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$y - y_1 = m(x - x_1)$$

$$y = mx + b$$

$$C(x) = cx + F$$

$$R(x) = sx$$

$$P(x) = R(x) - C(x) = (s - c)x - F$$

$$\text{If } A = \begin{pmatrix} a & b \\ c & d \end{pmatrix} \text{ and } D = ad - bc \neq 0, \text{ then } A^{-1} = \frac{1}{D} \begin{pmatrix} d & -b \\ -c & a \end{pmatrix}.$$