

x  
-

1.

1.

1. (a)

$$g(x) = \begin{pmatrix} \frac{2x_1}{186^2} & - \frac{2x_2}{300^2 - 186^2} \\ \frac{\cancel{2(x_2 - 500)} - 2(x_1 - 300)}{500^2 - 279^2} & \frac{2(x_2 - 500)}{279^2} \end{pmatrix}$$

$\frac{1}{2}$