

Name: \_\_\_\_\_

Define the  $n \times 2$  matrix  $X$ :

$$X = \begin{pmatrix} 1 & x_1 \\ 1 & x_2 \\ \vdots & \vdots \\ 1 & x_n \end{pmatrix}$$

Find  $(X'X)^{-1}$ .