Name: ....

Solve the following homogeneous system and then write the solution in parametric vector form.

$$\begin{aligned} x_1 + 2x_2 - 3x_3 &= 0 \\ 2x_1 + x_2 - 3x_3 &= 0 \\ -x_1 + x_2 &= 0 \end{aligned}$$