

Find the roots of the following polynomials. State which tool(s) you chose to use to obtain your solutions. Express complex answers in **rectangular** format.

a) $s^2 + 10s + 20 = 0$ Use TI-68 POLY function

roots \hookrightarrow $\underline{\underline{s_1 = -2.76393}}$ + $\underline{\underline{s_2 = -7.236068}}$

b) $2s^2 + 120s + 1800 = 0$

roots \hookrightarrow $\underline{\underline{s_1 = s_2 = -30}}$

c) $s^2 + 20s + 200 = 0$

roots
 \hookrightarrow

$\underline{\underline{s_1 = -10 + j10}}$

$\underline{\underline{s_2 = -10 - j10}}$