§6.10: COMPLEMENTARY SLACKNESS

1.] Consider the following LP:

$$\text{Maximize:} \qquad z = 5x_1 + 3x_2 + x_3$$

$$\begin{aligned} \text{Subject to:} \quad 2x_1 + x_2 + x_3 &\leq 6 \\ x_1 + 2x_2 + x_3 &\leq 7 \\ x_1, x_2, x_3 &\geq 0 \end{aligned}$$

Graphically solve the dual of this LP. Then use complementary slackness to solve the max primal problem.