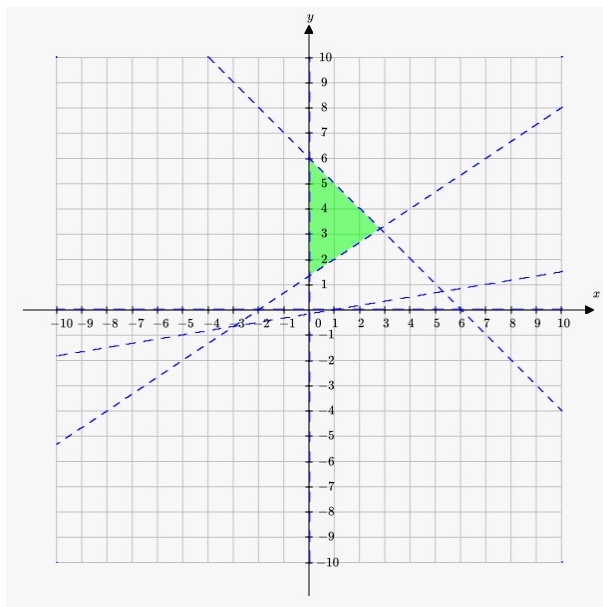
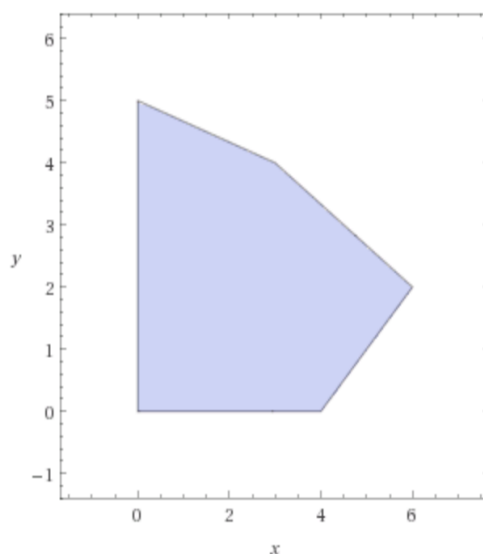


Problem 8.1. We graph the feasible set below. To find the optimizer, plot the objective function over the feasible set and find the maximum point. The optimizer is at $(14/5, 16/5)$ and the objective function has a value of $6/5$.

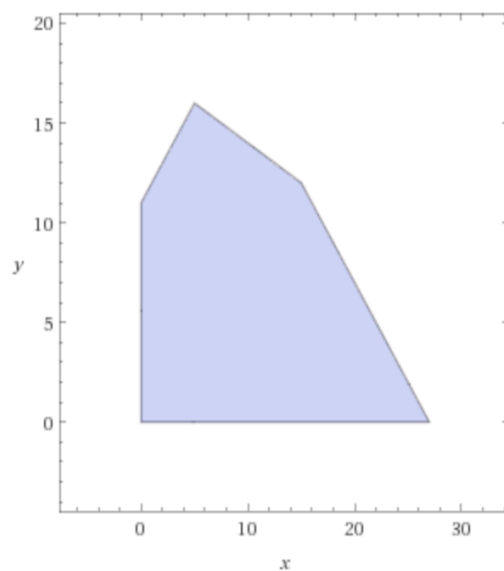


Problem 8.2.

- (i) We graph the feasible set below. The optimizer is at $(14/5, 16/5)$ and the objective function has a value of $6/5$.



- (ii) We graph the feasible set below. The optimizer is at $(15, 12)$ and the objective function has a value of 132.



Problem 8.5.

Problem 8.7.

Problem 8.13.

Problem 8.17.

Problem 8.18.

Problem 9.3.

Problem 9.6.

Problem 9.7.

Problem 9.10.