$$5x[1] + 6x[2]$$

$$X[1] + x[2] <=$$

Exercise

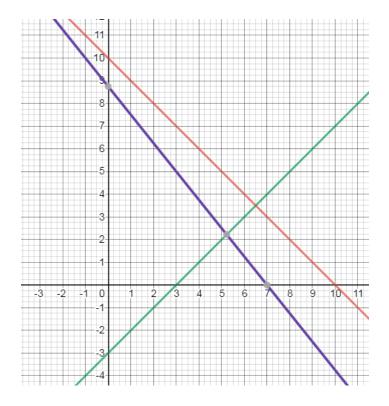
• Solve the following linear program:

maximise
$$5x1 + 6x2$$

• subject to

$$x1 + x2 \le 10$$

 $x1 - x2 \ge 3$



$$5x1 + 4x1 - 12 = 35$$

$$9x1 = 47$$

$$x1 = 47/9$$

$$x2 = 20/9$$

$$Max(3,0) = 5(3) + 6(0) = 15$$

$$Max(7,0) = 5(7) + 6(0)$$

$$Max(47/9, 20/9) = 5(47/9) + 3(20/9)$$