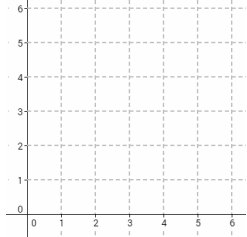
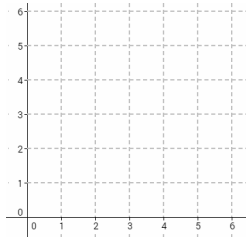


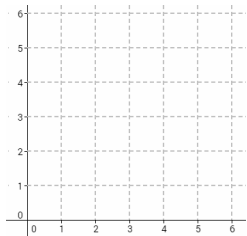
(1) Shade the region that satisfies  $x > 2$



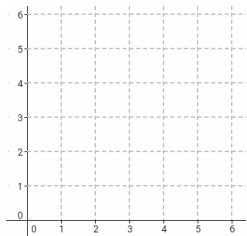
(2) Shade the region that satisfies  $y \leq 3$



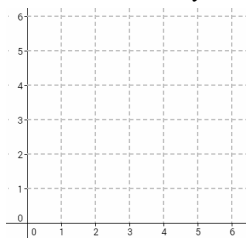
(3) Shade the region that satisfies  $y > x$



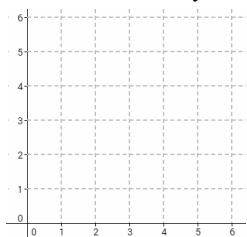
(4) Shade the region that satisfies  $x + y \geq 5$



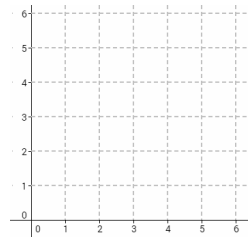
(5) Shade the region that satisfies  $2x + 3y < 6$



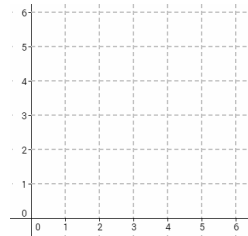
(6) Shade the region that satisfies  $2x + 5y \geq 10$



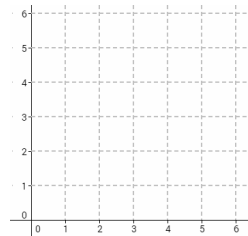
(7) Shade the region that satisfies  $y \leq 2x$  and  $x < 4$



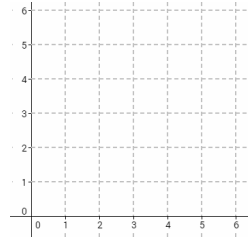
(8) Shade the region that satisfies  $y \leq x - 1$  and  $y > 1$



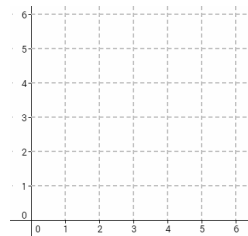
(9) Shade the region that satisfies  $y + x > 3$ ,  $x > 2$  and  $y \leq 4$ .



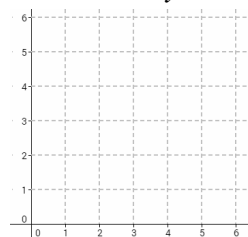
(10) Shade the region that satisfies  $2y + x \geq 6$ ,  $y < 5$  and  $4 \leq x$ .



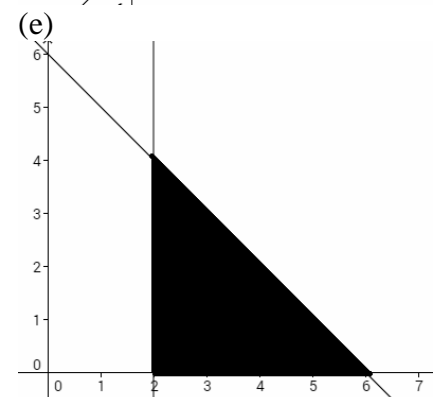
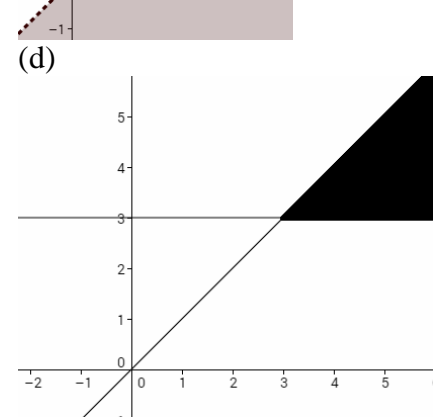
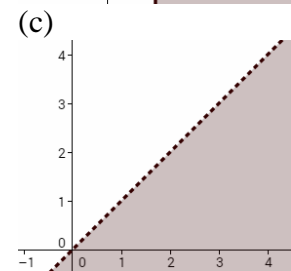
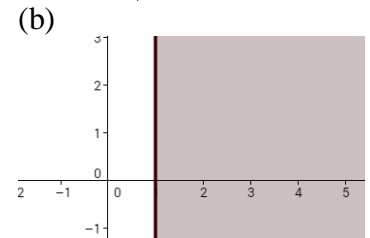
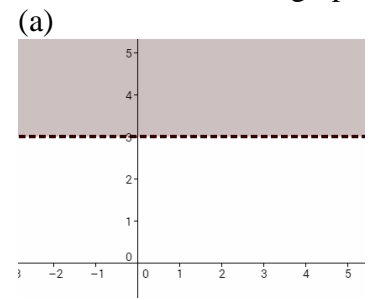
(11) Shade the region that satisfies  $3x + 2y < 12$ ,  $x > 1$  and  $y \leq x$ .



(12) Shade the region that satisfies  $x - y > 3$



(13) State the inequalities shown in each of the graphs:



(14) Draw two inequalities on a graph for your partner to try and solve!

Repeat this 4 times!

(15) Research Linear Programming!