



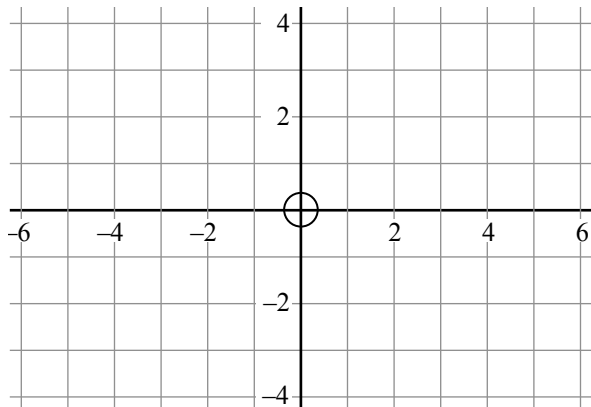
INEQUALITY GRAPHS

SHOWING COMPLEX REGIONS

Ref: G274. **2R2**

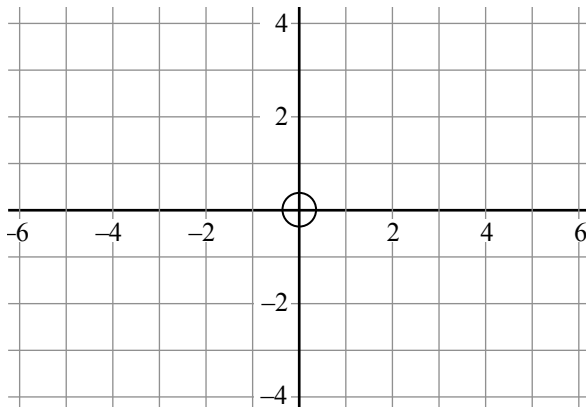
A1 Show, by shading on the grid, the region defined by $-4 \leq x \leq 3$

Label your region **R**.



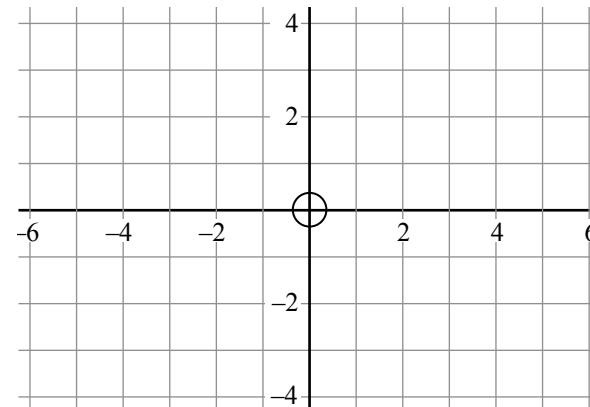
A2 Show by shading on the grid the region defined by $x \geq -3$, $y < 2$ and $y > x$

Label your region **R**.



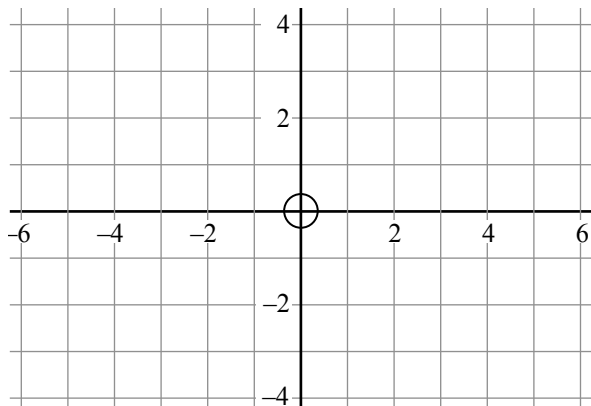
A3 Show by shading on the grid the region defined by $x + y \leq -1$, $x \geq -4$ and $y \geq -3$

Label your region **R**.



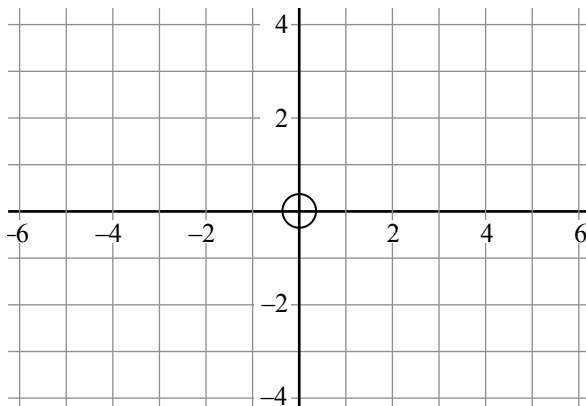
B1 Show by shading on the grid the region defined by $-2 < y \leq 3$ and $-3 \leq x < 5$

Label your region **R**.



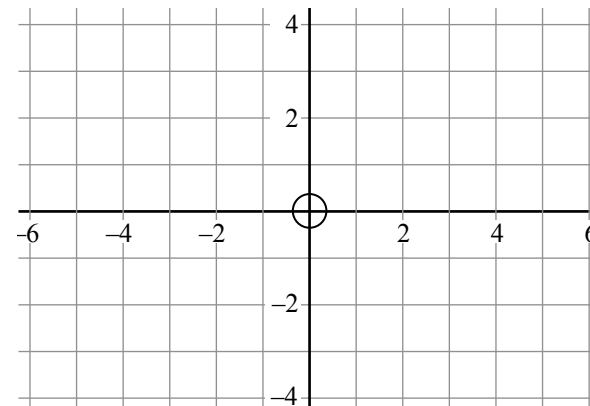
B2 Mark with a cross (x) a point on the grid which satisfies both the inequalities

$$x > 1 \text{ and } x - 3y > 3$$



B3 Show by shading on the grid the region defined by $y > x + 3$, $x \geq -3$ and $2y - x \leq 4$

Label your region **R**.

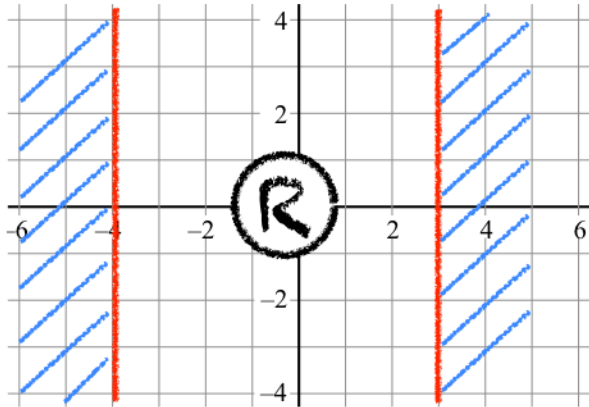




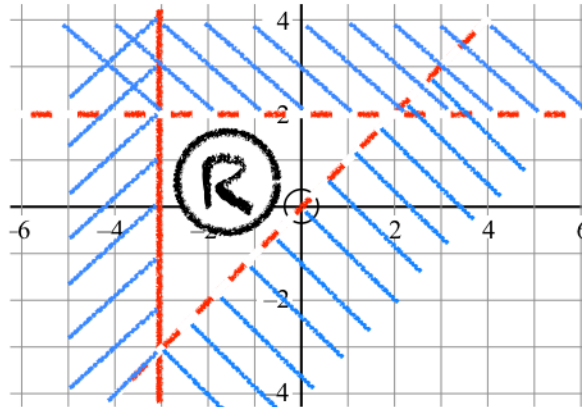
INEQUALITY GRAPHS SHOWING COMPLEX REGIONS

Ref: G274. **2R2**

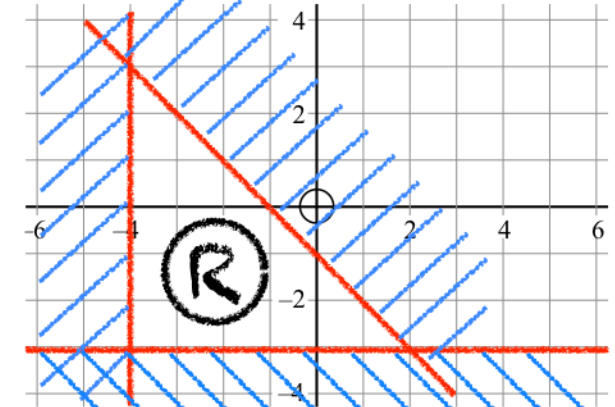
A1 Show, by shading on the grid, the region defined by $-4 \leq x \leq 3$
Label your region **R**.



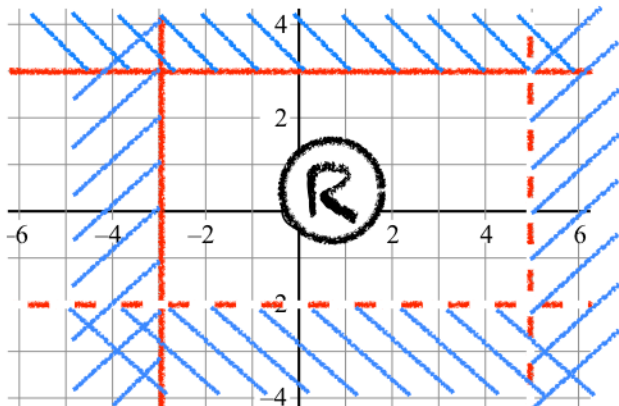
A2 Show by shading on the grid the region defined by $x \geq -3, y < 2$ and $y > x$
Label your region **R**.



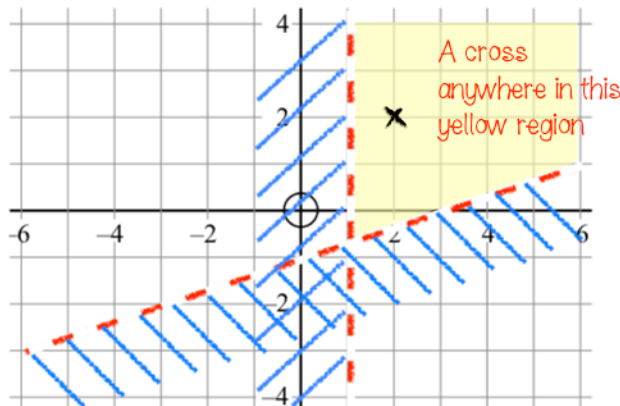
A3 Show by shading on the grid the region defined by $x + y \leq -1, x \geq -4$ and $y \geq -3$
Label your region **R**.



B1 Show by shading on the grid the region defined by $-2 < y \leq 3$ and $-3 \leq x < 5$
Label your region **R**.



B2 Mark with a cross (x) a point on the grid which satisfies both the inequalities $x > 1$ and $x - 3y > 3$



B3 Show by shading on the grid the region defined by $y > x + 3, x \geq -3$ and $2y - x \leq 4$
Label your region **R**.

