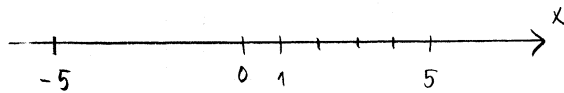


ÖVNINGSBLAD

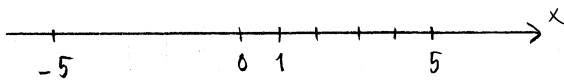
Beskriva områden och kurvor med hjälp av
ekvationer och olikheter

1) Åskådliggör på tallinjen den eller de punkter x för vilka

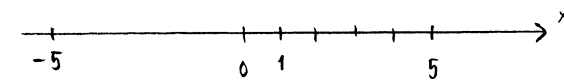
(a) $x = 2$



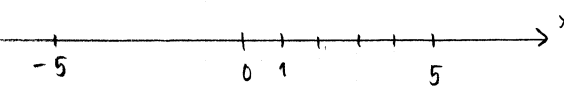
(b) $x < -1$



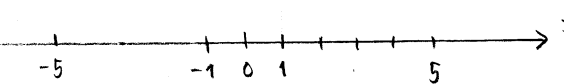
(c) $-2 \leq x < 3$



(d) $|x| = 3$

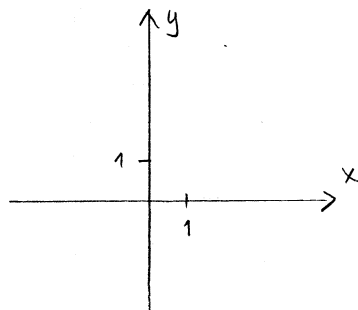


(e) $|x - 2| = 3$

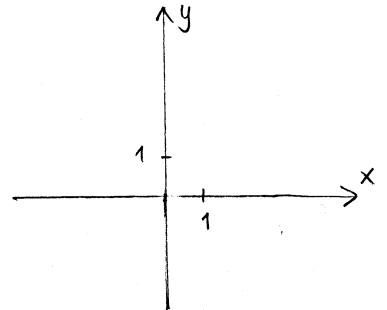


2) Åskådliggör i ett rätvinkligt koordinatsystem de punkter (x, y) för vilka

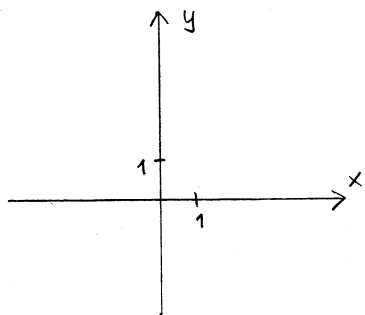
(a) $y = x + 1$



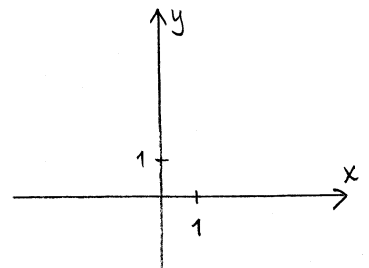
(b) $y = x^2$



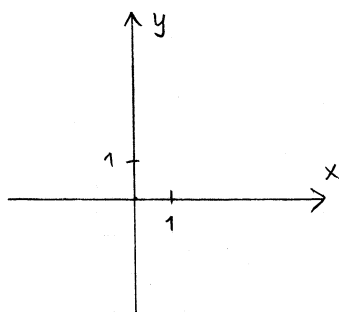
(c) $x = 2$



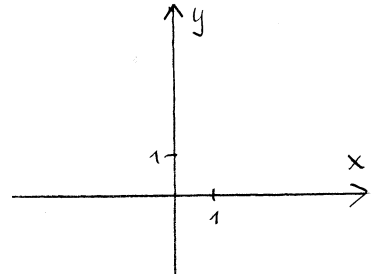
(d) $y = 3$



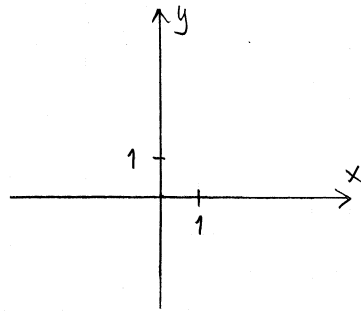
(e) $y \geq 2$



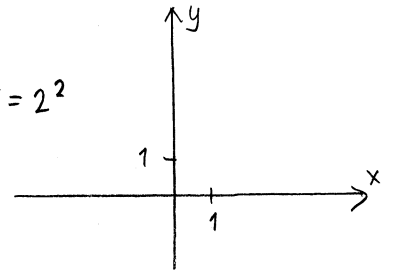
(f) $x < -1$



$$y \geq x + 1$$



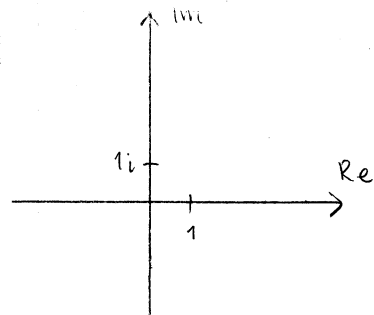
$$x^2 + y^2 = 2^2$$



3) Åskådliggör i det komplexa talplanet de punkter z för vilka

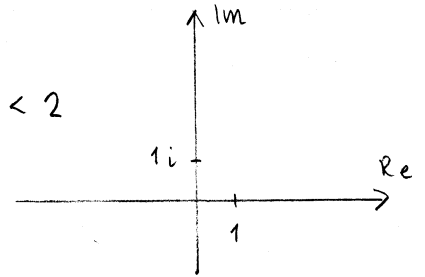
(a)

$$\operatorname{Re} z = 3$$



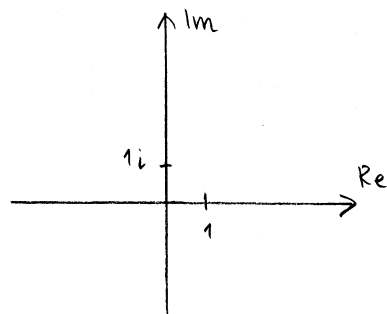
(b)

$$\operatorname{Im} z < 2$$



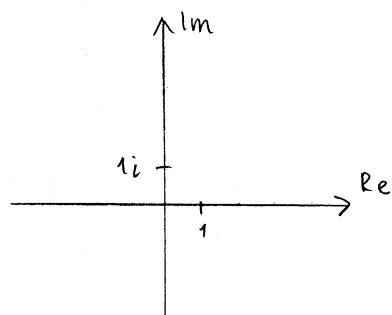
(c)

$$1 < \operatorname{Re} z \leq 3$$



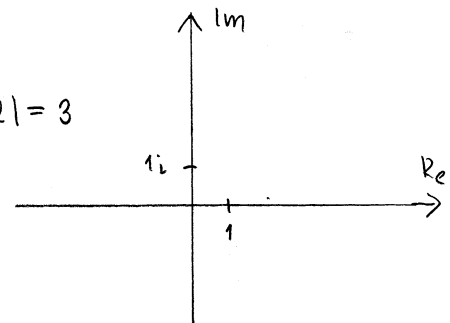
(d)

$$|z| = 3$$



(e)

$$|z - 2| = 3$$



(f)

$$|z - 2| < 3$$

