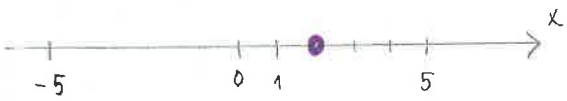
ÖVNINGSBLAD

Beskriva områden och kurvor med hjälp av ekvationer och olikheter

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

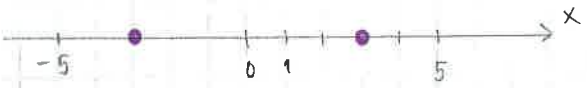
(a) $x = 2$



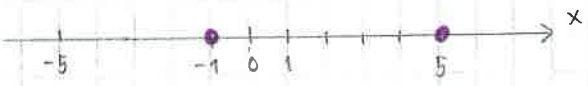
(b) $x < -1$

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

(d) $|x| = 3$

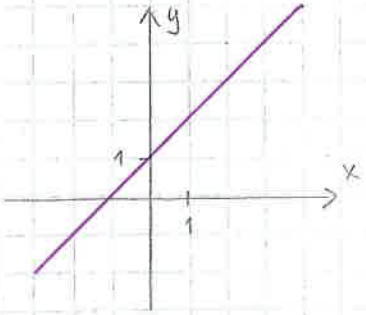


(e) $|x-2| = 3$

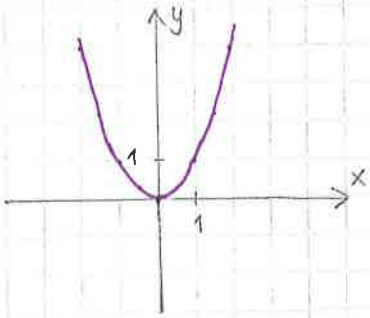


2) Åskådliggör i ett rätvinkligt koordinatsystem de punkter (x, y) för vilka

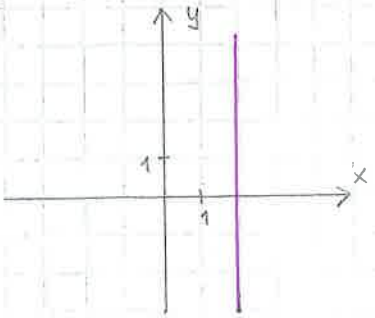
(a) $y = x + 1$



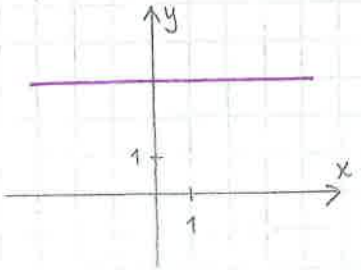
(b) $y = x^2$



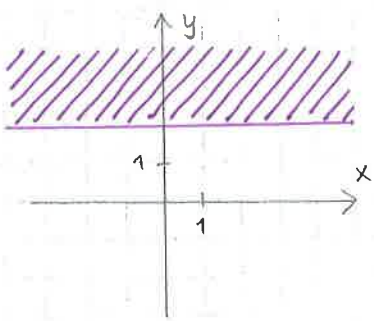
(c) $x = 2$



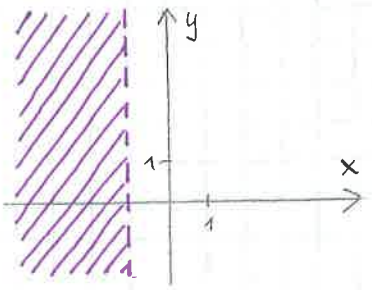
(d) $y = 3$



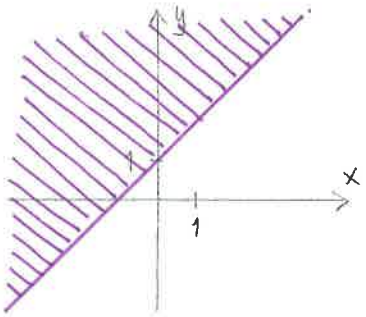
(e) $y \geq 2$



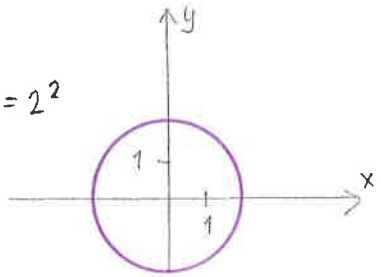
(f) $x < -1$



$y \geq x+1$

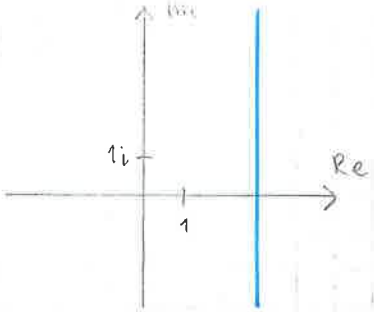


$x^2+y^2=2^2$

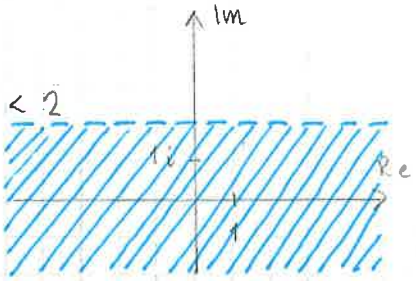


3) Åskadliggör i det komplexa talplanet de punkter z för vilka

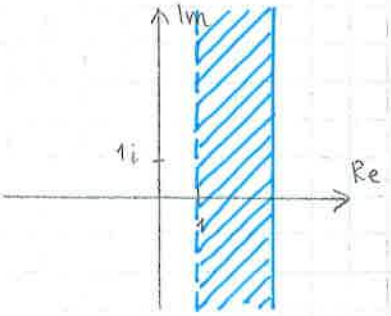
(a) $\operatorname{Re} z = 3$



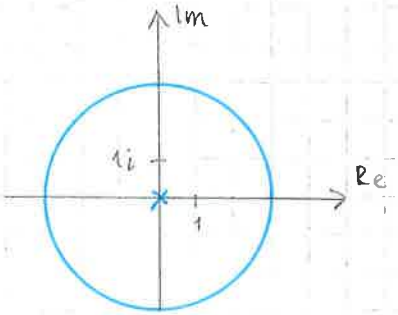
(b) $\operatorname{Im} z < 2$



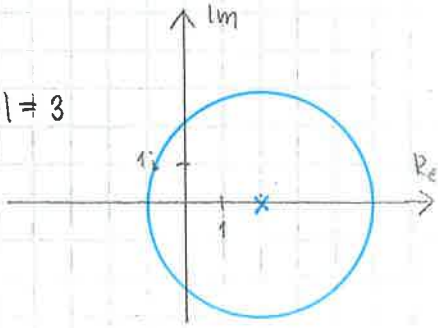
(c) $1 < \operatorname{Re} z \leq 3$



(d) $|z| = 3$



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



(f) $|z-2| < 3$