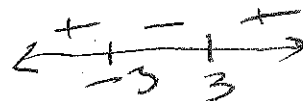


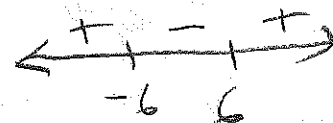
Sec. 2.7 p 204 9-14, 39, 47, 48

④ $x^2 \leq 9$
 $x^2 - 9 \leq 0$
 $(x-3)(x+3) \leq 0$



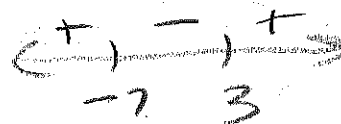
$[3, 3]$

⑩ $x^2 < 36$
 $x^2 - 36 < 0$
 $(x-6)(x+6) < 0$



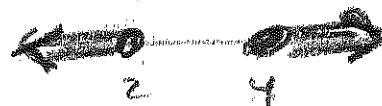
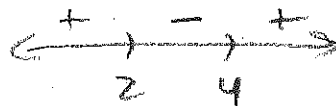
$(-6, 6)$

⑪ $(x+2)^2 < 25$
 $x^2 + 4x + 4 - 25 < 0$
 $x^2 + 4x - 21 < 0$
 $(x+7)(x-3) < 0$



$(-7, 3)$

⑫ $(x-3)^2 \geq 1$
 $x^2 - 6x + 9 - 1 \geq 0$
 $x^2 - 6x + 8 \geq 0$
 $(x-4)(x-2) \geq 0$



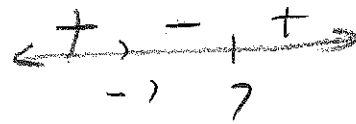
$(-\infty, 2] \cup [4, \infty)$

13) $x^2 + 4x + 4 \geq 9$
 $x^2 + 4x - 5 \geq 0$
 $(x+5)(x-1) \geq 0$



$(-\infty, -5] \cup [1, \infty)$

14) $x^2 - 6x + 9 < 16$
 $x^2 - 6x - 7 < 0$
 $(x-7)(x+1) < 0$

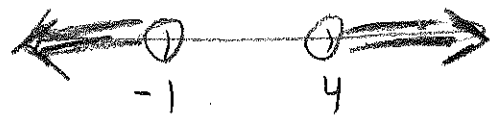
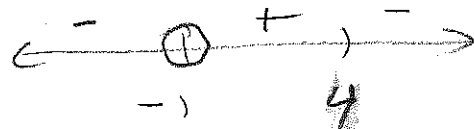


$(-1, 7)$

39) $\frac{x+6}{x+1} - 2 < 0$
 $\frac{x+6 - 2(x+1)}{x+1} < 0$

$\frac{x+6 - 2x - 2}{x+1} < 0$

$\frac{-x+4}{x+1} < 0$



$(-\infty, -1) \cup (4, \infty)$

