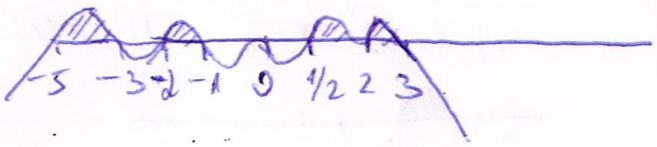
9.42

1 ②

$$\frac{|x^3-9x|\cdot(2x^2+x-1)^{19}\cdot(x^2+3x-10)^5}{(-x^2+x-1)^7(x^4-13x^2+36)^{13}}>0$$

$$\frac{|x(x^2-9)|\cdot(x+1)^9(2x-1)^{19}(x+5)^5(x-2)^5}{(-x^2+x-1)^7(x^2-9)^{13}(x^2-4)^{13}}>0$$

$$\frac{|x||x-3||x+3|(x+1)^{19}(2x-1)^{19}(x+5)^5(x-2)^5}{(-x^2+x-1)^7(x-3)^{13}(x+3)^{13}(x-2)^{13}(x+2)^{13}}>0$$



$2 < x < 3$

$1/2 < x < 2$

$-2 < x < -1$

$-5 \leq x < -3$