

3x3

7, -/3

Zero: 4,7,-43 Undefined: X

Positine: (-4,-43) & (7,00)

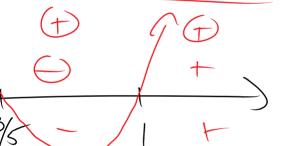
regative: (-69-4) v (-13,7)

(2)
$$f(x) = (5x+3)(x^2+6)(x-1)$$

x2+6 (1)

OR

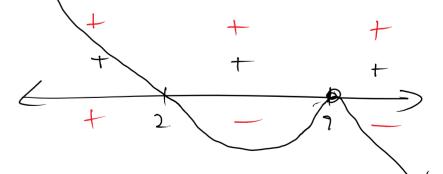




(3)
$$f(x) = (2-x)^3 (4x^2+1)(x-9)^4$$

(2-x)

4x2+1



 $(\sqrt{2})^{2} \times \sqrt{3} - 5 \times \sqrt{2} + 3 \times 20$

[0,1] U[1.5,0)

Solving Rational Inequalities

$$\frac{2x+1}{(x+3)(x-1)} \geq 0$$

$$\frac{2}{\sqrt{1+3}} \leq 0$$

-/2] v(1,00)

$$(3) (3x+5)^{2} |x-2| > 0$$

$$(-\infty, -5/3) \cup (-5/3, 2) \cup (2, \infty)$$