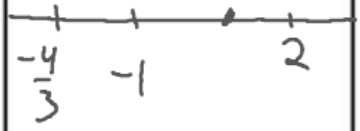
Zeros $-1, -\frac{4}{3}, 2$

$(3x+4)(x+1)(x-2)^2$



Solve the polynomial inequality graphically.

13) $x^3 - x^2 - 2x \geq 0$

$3x^2 - 2x - 8$

$(3x+4)(x-2)$

14) $3x^4 - 5x^3 - 12x^2 + 12x + 16 < 0$

2	3	-5	-12	12	16
		6	2	-20	-16
-1	3	1	-10	-8	0
		-3	2	8	
	3	-2	-8	0	

Determine the real values of x that cause the function to be a) zero, b) undefined, c) positive, and d) negative

A) $f(x) = \dfrac{x-4}{(3x+2)(x+3)}$

B) $f(x) = \dfrac{x-3}{(x+2)\sqrt{x+3}}$

C) $f(x) = \dfrac{\sqrt{x-3}}{(x+2)(x-5)}$