Disc = Warm-up: Relational RoseOC Review October 31st Factor the expression. Solve the following ma 168 Final F.F. quadratic by factoring, $12x^3 - 24x^6 - 4x^4$ 4.4 444 (-3(X+4)(X+4)=0 -24x6-4x4+12x3 GCF $f(x) = -3x^2 - 24x - 48$ $0 = -3(x^2 + 8x + 16)$ メナチニク $-4x^3(6x^3+x-3)$ $0 = -3(x^{2} + 4x + 4x + 16)$ = -3(x(x+4)+4(x+4))

Find the discriminant and g(x) = -3x + 1g(26) = $f(x) = x^2 + 7$ find the nature of the roots for the quadratic below. 9(26) = -3(20)+1 $f(x) = 23, \ \ \ \ \ = 7$ Disc = () $f(x) = -3x^2 - 24x - 48$ 1 Rrational $23 = x^2 + 7$ Root Solve the following (2x212x+x-6)=O Solve the quadratic below using the quadratic formula. -b = Jalis quadratic by factoring. $3x^{2} + 5x - 6 = x^{2} + 16x$ $- \chi^{2} - |6\chi| - \chi^{2} - |6\chi|$ 2x(x-6)+1(x-6)=0 $f(x)=-3x^2-24x-48$ 2a -(-24) ±√0 $2x^{2}-11x-6=0$ (2x+1)(x-6)=0 b=-24 ma C=-48 24±0=24 -12 -11 $\frac{\text{Disc} = O}{\text{Graph the Quadratic}}$ Write a scenario that would match the graph provided Someone below. Distance home $f(x) = -3x^2 - 24x - 48$ running or biking from h=== = -(-24) Distance from Sasse at mones 2(-3) their house. lime in K=0 Seconds **SAT Question:** SAT Question The number of states that joined the United States F(x)The function F(x) is defined between 1776 and 1849 is twice the number of states that by a polynomial with some joined between 1850 and 1900. If 30 states joined the values of x and F(x) in the United States between 1776 and 1849 and x states joined table. Which of the following between 1850 and 1900, which of the following equations must be a factor of F(x)? is true? () = 2xFactors give

You zeros,

X-int if x=4

A) x-2

-30x = 2B) 2x = 30C) $\frac{x}{3} = 30$ D) $\bar{x} + 30 = 2$

then (x-4)