Solution-Exam 1 ARUNACHALAM 1. a(a+1)(a+2) x = (a-1)(a+1). Sol:- if a = -14 9 = 081 a = -2. if a f-1 a ca+2) x = (a-1). Then X = (a-1) a (a+1). iga + 0 gd + 2 x = (a-1) 11 a +-1 84 a=0 os a=-2. a (942) There is no Solution Joh X. 4 a = -1. Then X dan be anything +-> un bounded. 2. Ax9+y2->min. Y2->always + We. x7 + y = 1. Sataminiming it -> Y=0. -15×51. It least valve x contake is x = -1. 7777. So, the min = -4. min = -1, $\chi = -1$, $\gamma = 0$. Answer: min = -4...
- Todd Fisher 3. $\frac{1}{1}$ \frac 71 ×2 ×3 1 Phollema Sol->.

The Phoblem is infeasible

1 0 -1 -2 = ×4 because ×4 Your is a lad Your 1 0 -1 -1 -nin. min=00. 5 5d a (=) d. b=> 9, to,d,l. (False => amything)

(The amything =) True).

a, b,d, e => C.

l=> 9, d.