Nama : vargas braja pamungkas

Unit = E

Npm = 225520110228

Prodi = informatika

MK = ALJABAR LINEAR DAN MATRIKS

2x – 3y + z = 4 (1)

X – 2y + z = 10 (2)

3x – y + 3z = 24 (3)

1. Dan (2)

2x – 3y + z = 4 x1 2x – 3y + z = 4

X – 2y + z = 10 x2 2x – 4y + 2z = 20

y – z = - 16 (4)

1. Dan (3)

2x – 3y + z = 4 x3 6x – 9y + 3z = 12

3x – y + 3z = 24 x2 6x – 2y + 6z = 48

-7y - 3z = -36 (5)

(4) dan (5)

y – z = - 16 x -7 -7y + 7z = 112

-7y - 3z = -36 x 1 -7y – 3z = -36 -

10z = 148

Z =

Z=

Subtitusi y ( 4 ) subtitusi x (2)

y – z = - 16 X – 2( – = 10

y – = -16 x – - = 10

y = -16 + x = 10 +

y = x =

4x – 3y - z = 24 (1)

2x + y + 3z = -14 (2)

3x – 2y + z = 8 (3)

Jawab

1. Dan (2)

4x – 3y – z = 24 x3 12x – 9y – 3z = 72

2x + y + 3z = -14 x-1 -2x - y – 3z = 14 -

14x -8y = 58 (4)

1. Dan (3)

4x – 3y – z = 24 (4) dan (5)

3x – 2y + z = 8 + 14x – 8y = 58 x-5 -70x + 40y = -290

7x – 5y = 32 (5) 7x – 5y = 32 x-8 -56x + 40y = -256 -

-14x = 34 kali (-)

14x=-34

X = -34

Subtitusi y (5) subtitusi z (3)

7x – 5y = 32 3x – 2y + z = 8

7( – 5y = 32 3() – 2(-3) + z = 8

17- 5y = 32 + 6 + z = 8

-5y = 32 – 17 z = 8 - -6

-5y = 15 z = -

Y =

Y = -3