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 x2 8x – 6y – 2z = 48

2x - y + 3z = -14 x4 8x - 4y + 12z = -56 -

-2y - 14z = 104 (4)

1. Dan (3)

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

3x – 2y + z = 4 x4 12x – 8y - 4z = 24 -

y – z = 48 (5)

(4) dan (5)

-2y - 14z = 104 x1 -2y – 14z = 104

y – z = 48 x2 14y – 14 z = 672 -

-16y = -569

16y = 568

Y =

Y =

Subtitusi Y (4) subtitusi x (3)

-2y - 14z = 104 3x – 2y + z = 8

-2() - 14z = 104 3x – 2() + = 8

-71 – 14z = 104 3x – 71 + = 8

-14z = 104 + 71 3x = 8 + 71 -

-14z = 175 3x =

14z = 175 x =

Z = 3

X =