

121 wp # 4

(10pb) 
$$3x-y=6$$
 $2x+y=8$ 
 $-2RI$   $-6x+2y=-12$ 
 $3R2$   $6x+3y=24$ 
 $5y=12$ 

121 
$$WP + V$$

2  $10p^{4}$ 
 $3x + 7y - 2 = -6$ 
 $4x + 10y - 32 = -11$ 
 $3x + 7y - 2 = -6$ 
 $4x + 10y - 32 = -11$ 
 $-3x - 6y = 3$ 
 $-4x - 6y = 3$ 
 $-4x - 6y = -3$ 
 $-3x - 6y = 3$ 
 $-4x - 6y = 3$ 
 $-4x - 6y = 3$ 
 $-4x - 6y = 3$ 
 $-3x - 6y = 3$ 
 $-4x - 6y = 3$ 
 $-4x - 6y = 3$ 
 $-4x - 6y = 3$ 
 $-3x - 6y =$ 

$$3 \times +3y -22 = 12$$

$$3 \times +11y -52 = 34$$

$$2 \times +8y -32 = 22$$

New system ".

To see this.

$$-R^2 - 2y - 2 = 2$$

$$\frac{-y+2=-2}{2y=-2-2} = \frac{-2+2}{2} = y$$

$$y=-\frac{2+2}{2} = \frac{-2+2}{2} = y$$

$$x+3(-\frac{2+2}{2})-2=12$$

$$2=0=7(x,y,z)=(\frac{3}{2}(0)+15,-\frac{1}{2}(0)-1,0)$$
$$=[(15,-1,0)]$$

$$2 = 1 = 2 (\lambda, y, z) = (\frac{3}{2}(1) + 15, -\frac{1}{2}(1) - 1, 1)$$

$$= (\frac{3}{2} + \frac{39}{2}, -\frac{1}{2} - \frac{2}{2}, 1)$$

$$= (\frac{33}{2}, -\frac{3}{2}, 1)$$

$$Z = -1 - 3(x, y, z) = (\frac{3}{3}(-1) + 15, (-1/2)(-1) - 1, -1)$$

$$= \left(-\frac{3}{2} + \frac{30}{2}, \frac{1}{2} - \frac{2}{2}, -1\right)$$

$$= \left(\frac{27}{2}, -\frac{1}{2}, -1\right)$$

121 
$$WP \neq Y$$
 $(Y)$ 
 $(Y)$