HW # 29 (0.2) 8,10,12, 18, 20, 22, 26, 28, 30, 38 8) (x+y-3z = 8 y-3==5 y - 3(-1) = 5 y + 3 = 5 y = 2x + (2) - 3(-1) = 8 (3,2,-1) x+5 - 8 x = 310) $\begin{cases} x - 2y + 3z = 10 \\ 2y - z = 2 \\ 3z = 12 \end{cases}$ 2y - (4) = 2 x - 2(3) + 3(4) = 103==12 (4,3,4) 2y=6 x-6+12 =10 x = 4 (2) $\begin{cases} 4x + 3z = 10 \end{cases}$ 2y-2=-6 1/2=4 $\frac{1}{2} = 4$ 2y - (8) = -6 2y = 2 y = 14x + 3(8) = 10 $\left(-\frac{7}{2}, 1, 8\right)$ 4/x = -14 x = -7 $\begin{cases} x - y + z = 0 \\ y + 2z = -2 \\ x + y - \overline{z} = 2 \end{cases}$ (1,0,-1) $(1) - y + z = 0 \implies 1 + 3z = -2$ y + 2z = -1 3z = -3y + 2(-1) = -2 y = 02 = -1 20) (x + y + z = 0) $\begin{cases} -x + 2y + 5z = 3 \\ 3x - y = 6 \end{cases}$ $x + -6 + 3x + 2 = 0 \Rightarrow (4x + 2 = 6) -5 \Rightarrow -20x -52 = -30$ y=-6+3x => -x + -12 + 6x + 52 = 3 5x + 52 = 15+ 5x +5z = 15 -15x +0 = -15 x = 13(1) - y = 6 (1) + (-3) + 2 = 0 z = 2(1, -3, 2)22) $\begin{cases} x-y+2z=2 \\ 3x+y+5z=8 \end{cases}$ $(4x+7z=10)\cdot 5 \Rightarrow 0x+23z=46$ (2x -y - 2== -7 -> (5x +3==1) -4/ (-1,1,2) 5x + 3(2) = 1(-1) - y + 2(z) = 2

-y = -1

5x = -5 x = -1

