Factor

x^2+4x+3
what add to 3 and multiply to 4?
3 and 1
$(x+3)(x+1)$

solving system by elimination

{8x+y=-16
{-3x+y=-5
-(8x+y=-16)
-3x+y=-5
x=-1
y=-8

solve by graphing

{y=2x+7
{y=x+6
x+6=2x+7
x+6-7=2x+7-7
x-1=2x
x-x-1=2x-x
x=-1

solving system by sub

{x-y=11
{2x+y=19
x+y-y=11-y
x=11-y
2(11-y)+y=19
22-2y+y=19
y=-1
x-(-1)=11
x=10
y=-1 and x=10