

```
y=[-4;-8;6;-5]
```

```
y = 4×1  
-4  
-8  
6  
-5
```

```
A=[3 -5 -9;8 7 -6;-5 -8 3;2 -2 9]
```

```
A = 4×3  
3 -5 -9  
8 7 -6  
-5 -8 3  
2 -2 9
```

```
refA=rref(A)
```

```
refA = 4×3  
1 0 0  
0 1 0  
0 0 1  
0 0 0
```

because we have pivots on every column, we can know that there  $y$  lies in the subspace spanned by  $A$ .