**Math 210 - Lab 2 Solving linear systems SciLab**

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-->A=[3 -2 8;1 4 -3]

A =

3. - 2. 8.

1. 4. - 3.

-->rref(A)

ans =

1. 0. 1.8571429

0. 1. - 1.2142857

-->B=[3 -1 1 1 -2;-1 2 3 -1 3;1 0 -4 7 1]

B =

3. - 1. 1. 1. - 2.

- 1. 2. 3. - 1. 3.

1. 0. - 4. 7. 1.

-->rref(B)

ans =

1. 0. 0. 1.56 0.04

0. 1. 0. 2.32 1.88

0. 0. 1. - 1.36 - 0.24

**Practice**

**1)**

-->A=[3 -5 7;1 9 11]

A =

3. - 5. 7.

1. 9. 11.

-->rref(A)

ans =

1. 0. 3.6875

0. 1. 0.8125

-->B=[3 2 -1 8;2 -5 1 3;6 0 1 2]

B =

3. 2. - 1. 8.

2. - 5. 1. 3.

6. 0. 1. 2.

-->rref(B)

ans =

1. 0. 0. 1.4054054

0. 1. 0. - 1.3243243

0. 0. 1. - 6.4324324

**2)**

-->B=[3 2 -1 2 -2;2 -5 1 6 -6;6 0 1 8 -8]

B =

3. 2. - 1. 2. - 2.

2. - 5. 1. 6. - 6.

6. 0. 1. 8. - 8.

-->rref(B)

ans =

1. 0. 0. 1.2432432 - 1.2432432

0. 1. 0. - 0.5945946 0.5945946

0. 0. 1. 0.5405405 - 0.5405405