```
A = magic(3)
```

A = 3×3
```
     8     1     6
     3     5     7
     4     9     2
```

```
b = [ 1; -3; 7 ]
```

b = 3×1
```
     1
    -3
     7
```

```
C = inv(A)
```

C = 3×3
```
   1.4722e-01  -1.4444e-01   6.3889e-02
  -6.1111e-02   2.2222e-02   1.0556e-01
  -1.9444e-02   1.8889e-01  -1.0278e-01
```

```
x = inv(A)*b
```

x = 3×1
```
   1.0278e+00
   6.1111e-01
  -1.3056e+00
```

```
b - A*x
```

ans = 3×1
```
           0
  -1.7764e-15
           0
```

```
x = x
```

x = 3×1
```
   1.0278e+00
   6.1111e-01
  -1.3056e+00
```