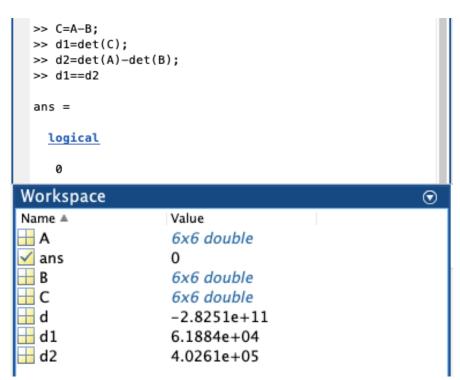
(a) not equal

```
>> A=round(10*rand(6));
 >> B=round(20*rand(6))-10;
 >> C=transpose(A);
 >> d1=det(A);
 >> d2=det(C);
 >> eq=isequal(d1,d2)
 eq =
   logical
Workspace
                                                   ①
Name A
                   Value
H A
                   6x6 double
ans
₩ B
                   6x6 double
⊞ C
                   6x6 double
⊞ d
                   -2.8251e+11
d1
                   3.7345e+04

→ d2

                   37345
✓ eq
                   0
```

(b) not equal



(c) is equal

```
>> A=round(10*rand(6));
>> B=round(20*rand(6))-10;
>> C=A*B
C =
   13
        -80
              105
                   -75
                           94
                                -47
   65
        -63
              60 -110
                                -43
                          106
   87
        -34
               18 -130
                          124
                                -51
   71
       -13
              -41
                   -89
                          102
                                11
   -1 -105
              120
                    -95
                          113
                                -4
   76
       -95
              59
                   -70
                          131
                                -95
>> det(C)
ans =
  -7.5708e+09
>> det(A)*det(B)
ans =
  -7.5708e+09
```

(d) is equal

```
>> C=transpose(A);
>> D=C*B;
>> det(D)

ans =

-7.5708e+09

>> det(C)*det(B)

ans =

-7.5708e+09
```

(e) is equal

```
>> C=inv(A);
>> det(C)
ans =
-1.2346e-04
>> 1/det(A)
ans =
-1.2346e-04
```

(f) is equal

```
>> C=inv(B);
>> D=A*C;
>> det(D)
ans =
-0.0087
>> det(A)/det(B)
ans =
-0.0087
```