

42%

1.

```
>> x=8.25;y=1.8;
>> y^3+x
```

ans =

14.0820

```
>> (5*y)^(x-2*y)
```

ans =

2.7367e+04

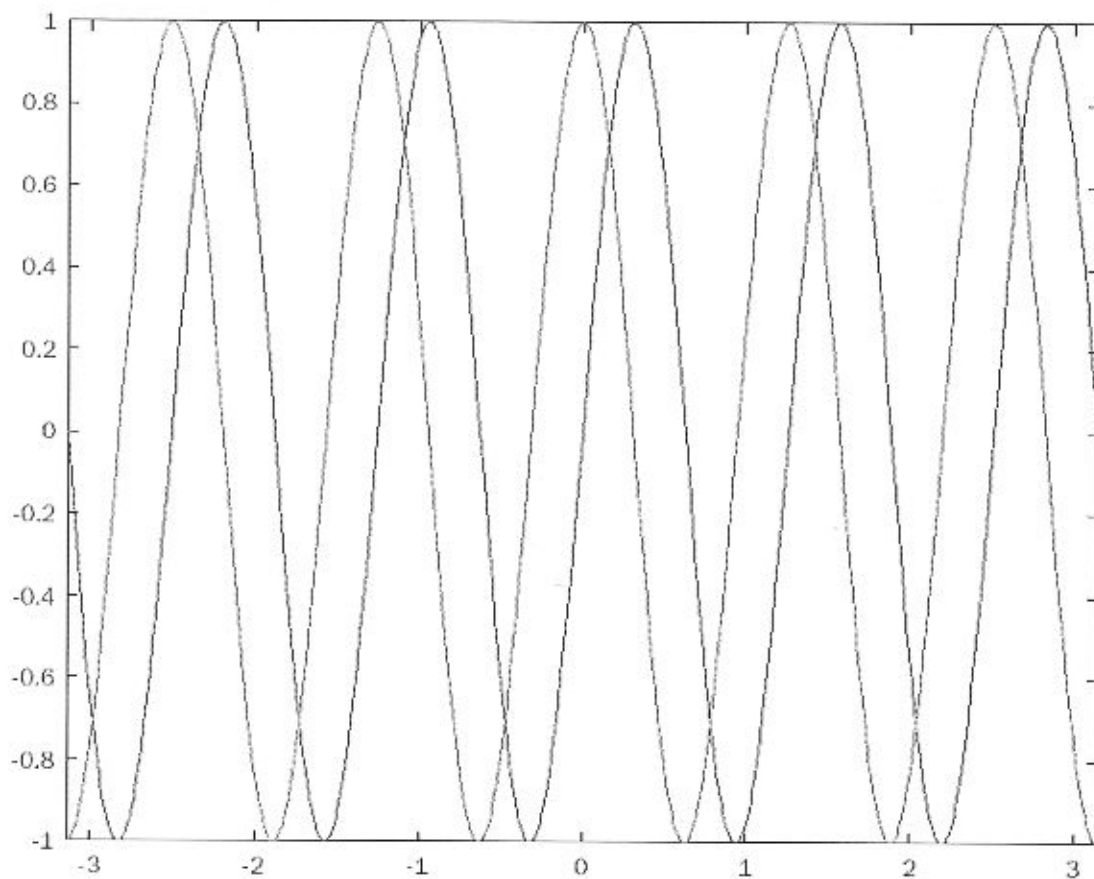
```
>> 4*exp(4*x*y)
```

ans =

2.5070e+26

2.

```
>> fplot('sin(x)', [-pi, pi])
Warning: fplot will not accept character vector or string inputs in a future release. Use fplot(@(x)sin(x),[]) instead.
> In fplot (line 110)
>> hold
Current plot hold
>> fplot('cos(x)', [-pi, pi])
Warning: fplot will not accept character vector or string inputs in a future release. Use fplot(@(x)cos(x),[]) instead.
> In fplot (line 110)
>> |
```



3.

```
>> clear all
>> solve(5*x^3-2*x^2-3*x+3)
```

Unrecognized function or variable 'x'.

4

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5.

1/15

>> syms x y
 >> y=exp(x)*sin(x), y1=diff(y), y2=diff(y,2), y4=diff(y,4)

/ =

exp(x)*sin(x)

/1 =

exp(x)*cos(x) + exp(x)*sin(x)

/2 =

2*exp(x)*cos(x)

/4 =

-4*exp(x)*sin(x)

>> 3*y^2+y2^2

ans =

4*exp(2*x)*cos(x)^2 + 3*exp(2*x)*sin(x)^2

>> clear all

>> syms x

>> 5*x^3 = 2*x^2-3*x+3

5*x^3 = 2*x^2-3*x+3

↑

6.

>> t=[22.8 22.6 22.4 25.1 22.4 25.1 21.6 24.6 21.7 21.9 21.7 22.8 23.2 21.9 24.8 22.2 22.0];
 >> xbar=mean(t), m=median(t), s=std(t,1)

xbar =

22.8706

m =

22.4000

s =

1.2062

