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```
clear all
clc

%Ben Ridenbaugh
%EGR 1101
```

Problem 2

a

```
sqrt(((41)^2)-((5.2)^2))/(exp(5)-100.53)

ans =

    0.8493
```

b

```
((132)^(1/3))+(log(500))/8

ans =

    5.8685
```

Problem 4

a

```
(24.5+(64/((3.5)^2))+8.3*(12.5)^3)/((sqrt(76.4))-28/15)
```

ans =

```
2.3626e+03
```

b

```
((((5.9)^2)-((2.4)^2))/3)+((log10(12890))/exp(.3))^2
```

ans =

```
18.9551
```

Problem 5

a

```
cos((7*pi)/9)+tan((7/15)*pi)*sind(15)
```

ans =

```
1.6965
```

b

```
((sind(80))^2)-((cosd(14)*sind(80))^2)/((.18)^(1/3))
```

ans =

```
-0.6473
```

Problem 7

```
t=3.2;
```

a

```
56*t-(9.81)*((t^2)/2)
```

```
ans =
```

```
128.9728
```

b

```
14*exp(-.1*t)*sin(2*pi*t)
```

```
ans =
```

```
9.6685
```

Problem 9

```
a=12;  
b=5.6;  
c=(3*a)/(b^2);  
d=((a-b)^c)/c;
```

a

```
(a/b)+((d-c)/(d+c))-(d-b)^2
```

```
ans =
```

```
-0.1459
```

b

```
exp((d-c)/(a-2*b))+log(abs(c-d+(b/a)))
```

```
ans =
```

```
2.2925e+03
```

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