## Lab7

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## **Problem 2**

```
%a
f=@(x) x.^3 - 7.*x - 13;
y = 13;
newtonsearch(f,y)
f(3.3063)
%b
q=@(x) x.^3 - 72
newtonsearch(g,2)
g(4.1602)
(72)^(1/3)
newtonsearch(r,1)
r(1.0299)
ans =
   3.3063
ans =
 -8.8582e-04
g =
   @(x)x.^3-72
ans =
   4.1602
ans =
```

```
0.0017

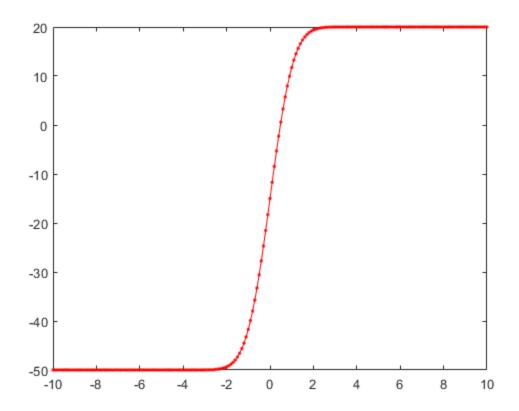
ans =
4.1602

r =
@(x)sqrt(4-x.^2)-x.*tan(x)

ans =
1.0299

ans =
-2.0584e-04
```

## **Problem 3**



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