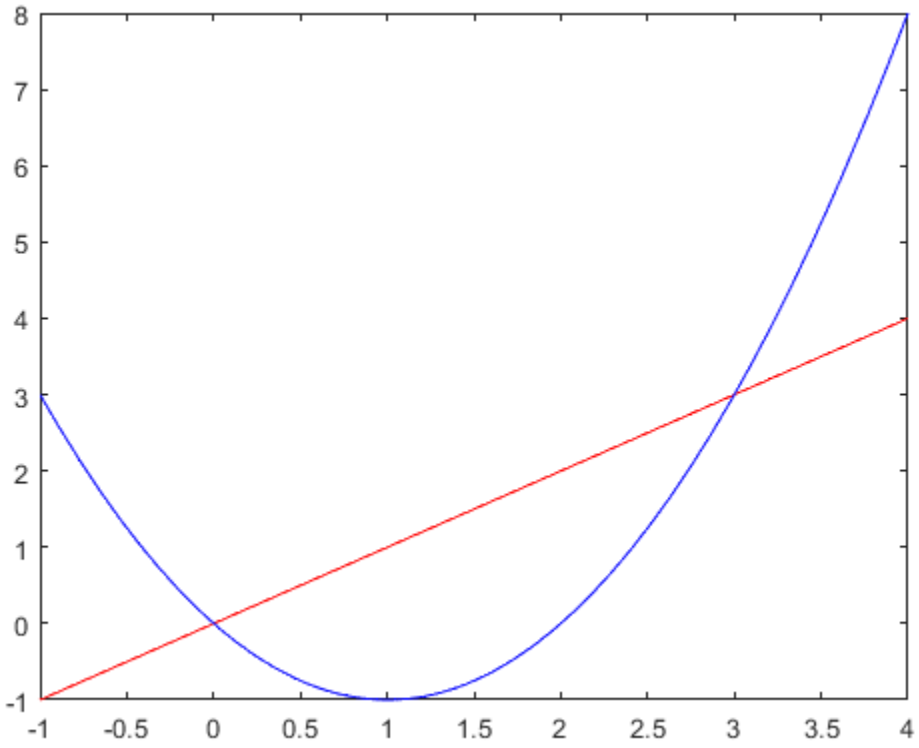
```
clc
syms x;
y1 = x;
y2 = x^2 - 2*x;
t = solve(y1-y2,x);

area = abs(int(y2-y1,0,3))
d = [-1 4];

f1 = fplot(y1,d);
set(f1,'Color', 'r');

hold on
f2 = fplot(y2,d);
set(f2,'Color', 'b');
hold off
```

area =

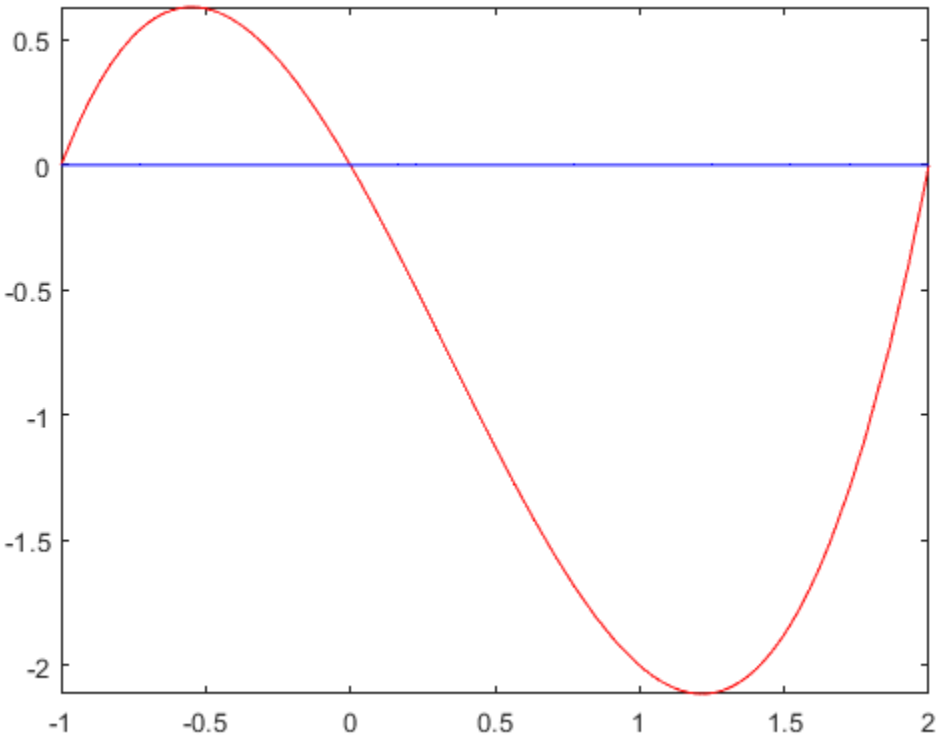
9/2




```
clc
syms x;
```

```
y1 = x^3 - x^2 - 2*x;
y2 = 0;
t = solve(y1, x)
area = abs(int(y1,-1,2))
d = [-1 2];

f1 = fplot(y1,d);
set(f1, 'Color', 'r')

hold on
f2 = fplot(y2,d);
set(f2,'Color', 'b')

hold off
```

```
t =

-1
 0
 2


area =

9/4
```



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