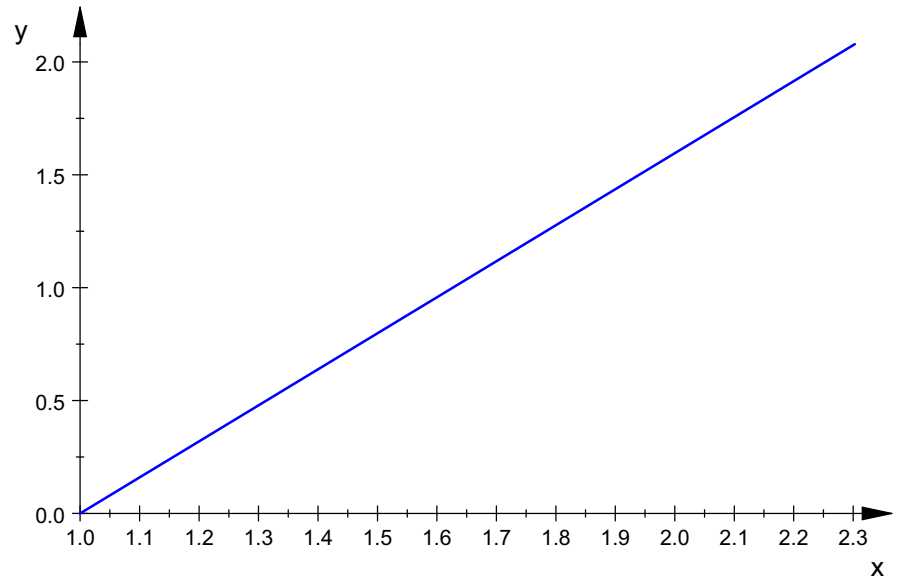
```
plot(plot::Line2d([ln(n),ln(n!)-n*ln(n)+n],n=3..10));
```




```
reset();
question4b:=proc(s)
begin:
y:={}:
for i from 1 to (nops(s)-1) do
for j from i+1 to nops(s) do
y:=y union {{s[i],s[j]}}:
end_for:
end_for:
return(y):
end_proc;
```

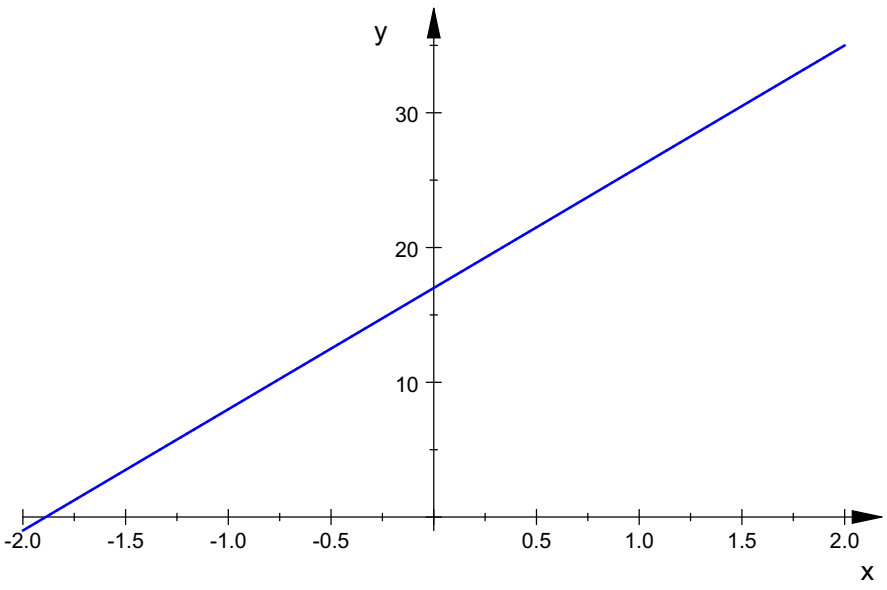
proc question4b(s) ... end

```
reset();
```

```
f:=x->det(matrix([[1,2,1],[-1,2,x],[2,-5,4]]));
```

$x \rightarrow \det(\text{matrix}([[1, 2, 1], [-1, 2, x], [2, -5, 4]]))$

```
plot(f(x),x=-2..2)
```


y
30
20
10
-2.0
-1.5
-1.0
-0.5
0.5
1.0
1.5
2.0
x