

```
> restart;  
> g:=x->root(1+x,5);
```

$$g := x \rightarrow \text{root}(1+x, 5)$$

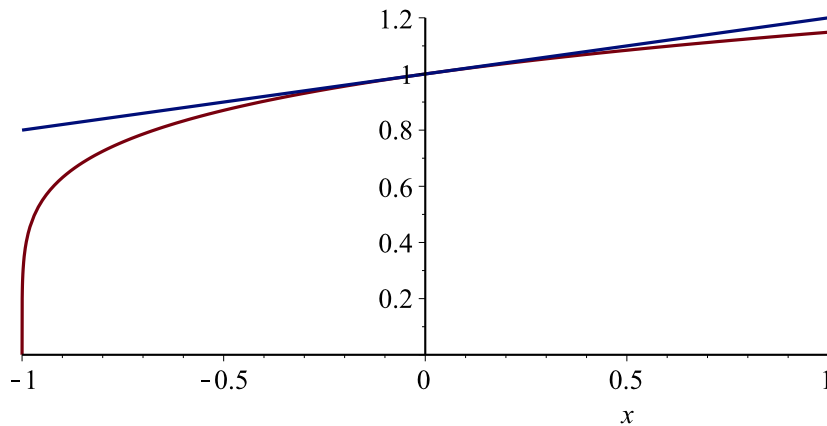
(1)

```
> L:=x->1+x/5;
```

$$L := x \rightarrow 1 + \frac{1}{5}x$$

(2)

```
> plot({g(x),L(x)},x=-1..1);
```



```
> f:=x->(x-1)^2;  
> g:=x->exp(-2*x);  
> h:=x->1+log(1-2*x);  
> L:=x->1-2*x;
```

$$f := x \rightarrow (x-1)^2$$

$$g := x \rightarrow e^{-2x}$$

$$h := x \rightarrow 1 + \log(1-2x)$$

$$L := x \rightarrow 1-2x$$

(3)

```
> plot({f(x),g(x),h(x),L(x)},x=-0.5..0.5,y=-1..3);
```

