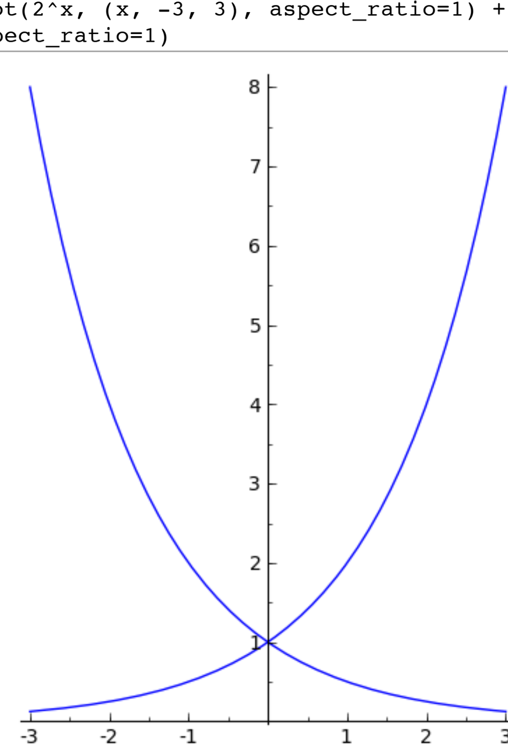
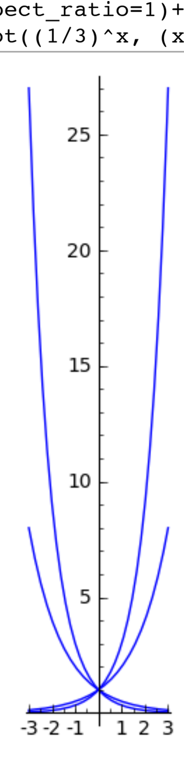
Calculus I

last edited on August 31, 2010 09:43 PM by admin

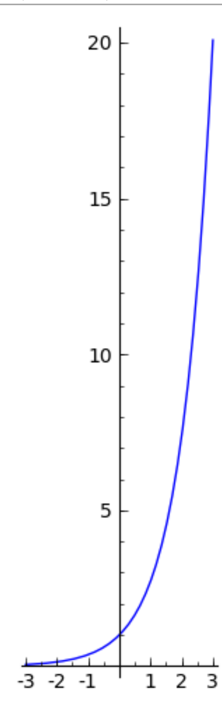

```
plot(2^x, (x, -3, 3), aspect_ratio=1) + plot((1/2)^x, (x, -3, 3),
aspect_ratio=1)
```



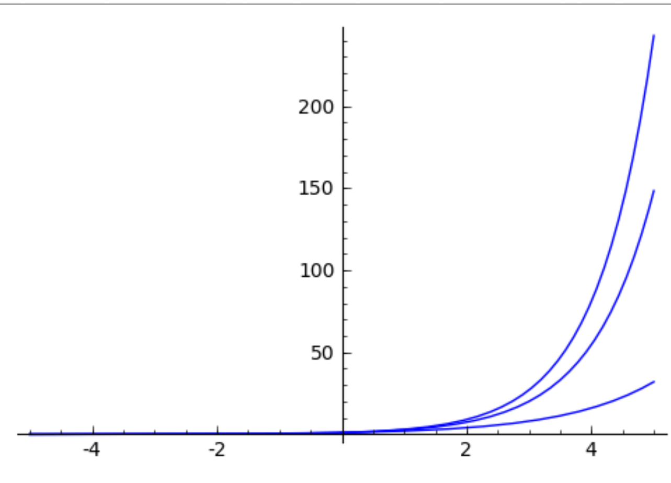
```
plot(2^x, (x, -3, 3), aspect_ratio=1) + plot(3^x, (x, -3, 3),
aspect_ratio=1)+ plot((1/2)^x, (x, -3, 3), aspect_ratio=1) +
plot((1/3)^x, (x, -3, 3), aspect_ratio=1)
```



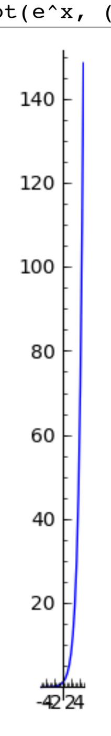
```
plot(e^x, (x, -3, 3), aspect_ratio=1)
```



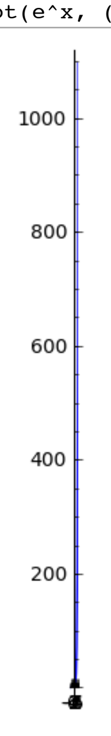
```
plot(2^x, (x, -5, 5)) + plot(3^x, (x, -5, 5))+ plot(e^x, (x, -5,
```



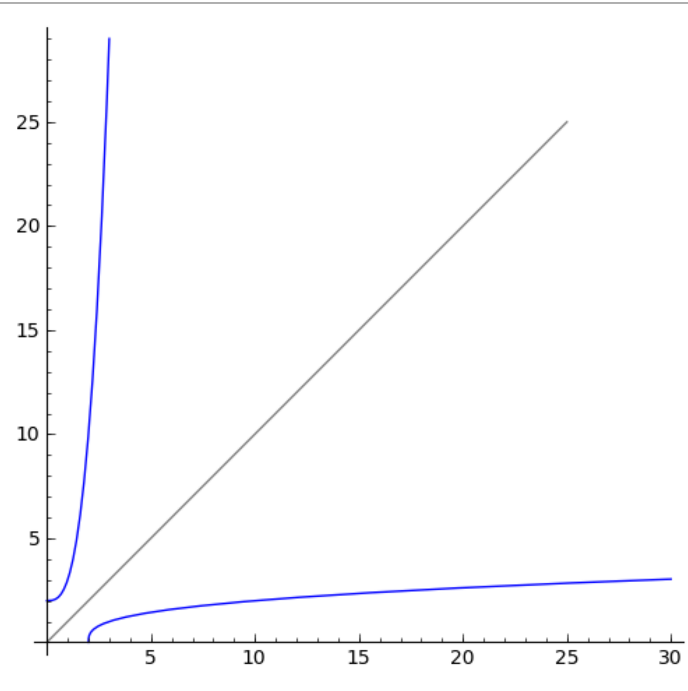
```
plot(e^x, (x, -5, 5), aspect_ratio=1)
```



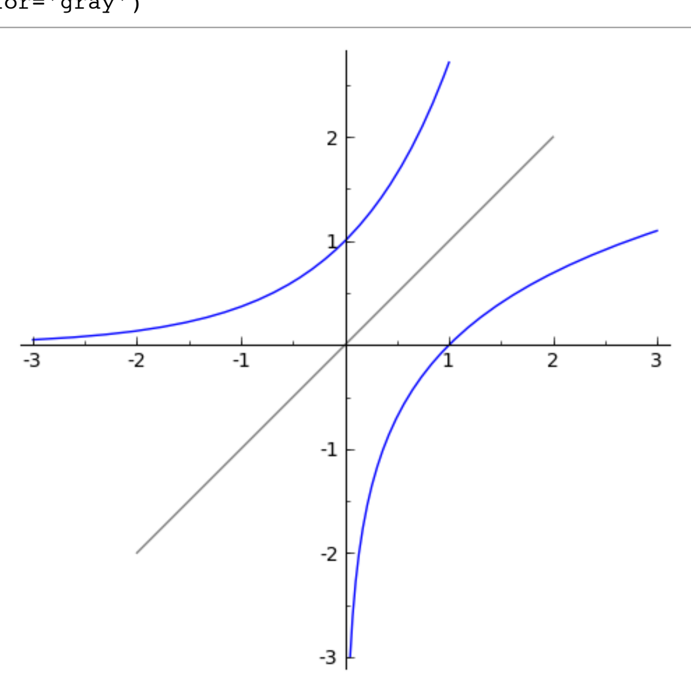
```
plot(e^x, (x, -7, 7), aspect_ratio=1)
```



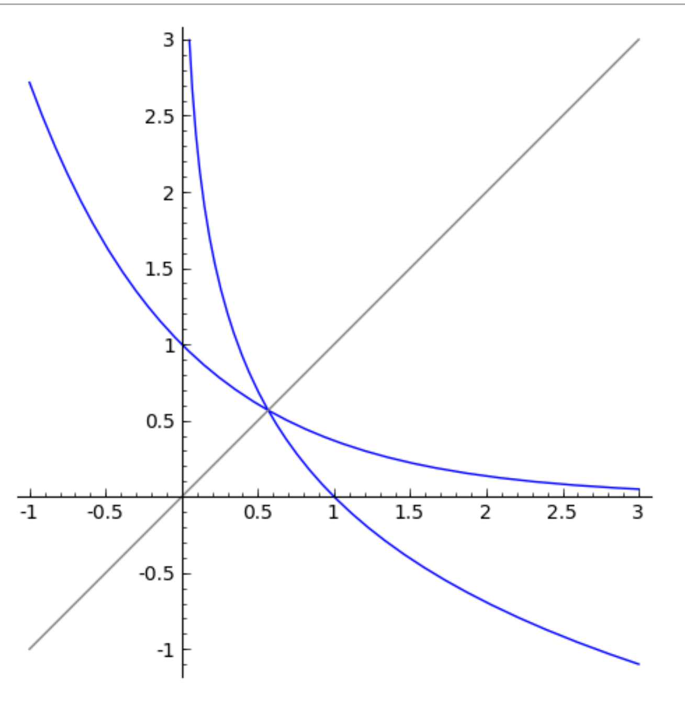
```
plot(x^3+2, (x, 0,3), aspect_ratio=1)+ plot((x-2)^(1/3), (x, 2,
30), aspect_ratio=1) + plot(x, (x, 0, 25), aspect_ratio=1,
color='gray')
```



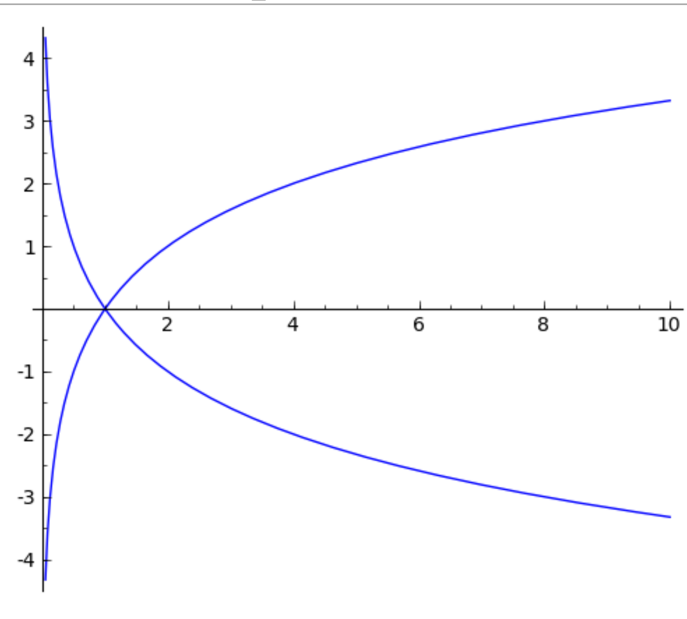
```
plot(e^x, (x, -3, 1), aspect_ratio=1)+ plot(log(x), (x, 0.05 , 3),
aspect_ratio=1) + plot(x, (x, -2, 2), aspect_ratio=1,
color='gray')
```



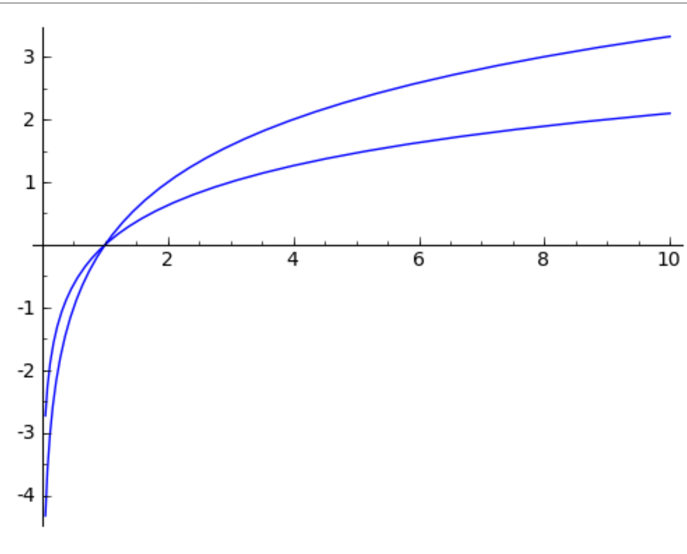
```
plot((1/e)^x, (x, -1, 3), aspect_ratio=1)+ plot(log(x,1/e), (x,
0.05 , 3), aspect_ratio=1) + plot(x, (x, -1, 3), aspect_ratio=1,
color='gray')
```



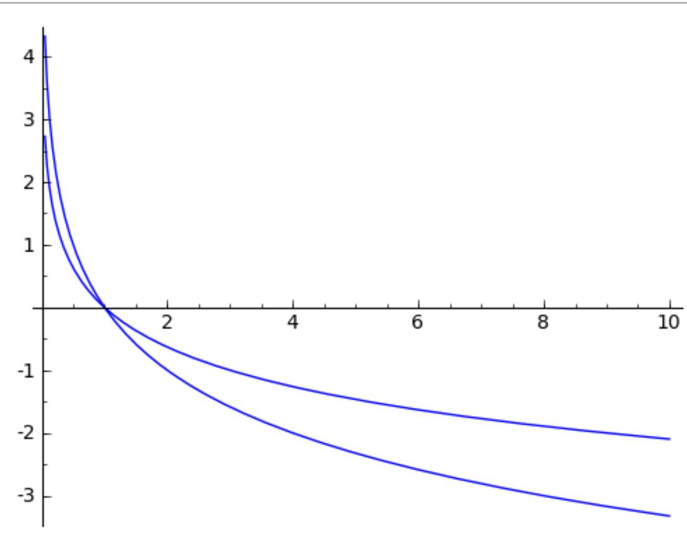
```
plot(log(x,2), (x, 0.05, 10), aspect_ratio=1) + plot(log(x,1/2),
(x, 0.05, 10), aspect_ratio=1)
```



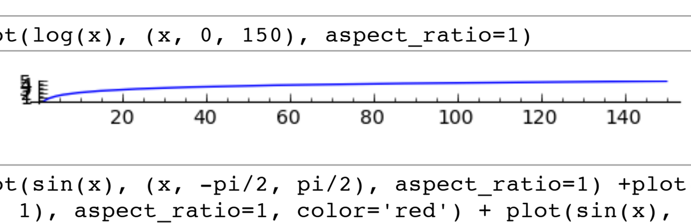
```
plot(log(x,2), (x, 0.05, 10), aspect_ratio=1) + plot(log(x,3), (x,
0.05, 10), aspect_ratio=1)
```



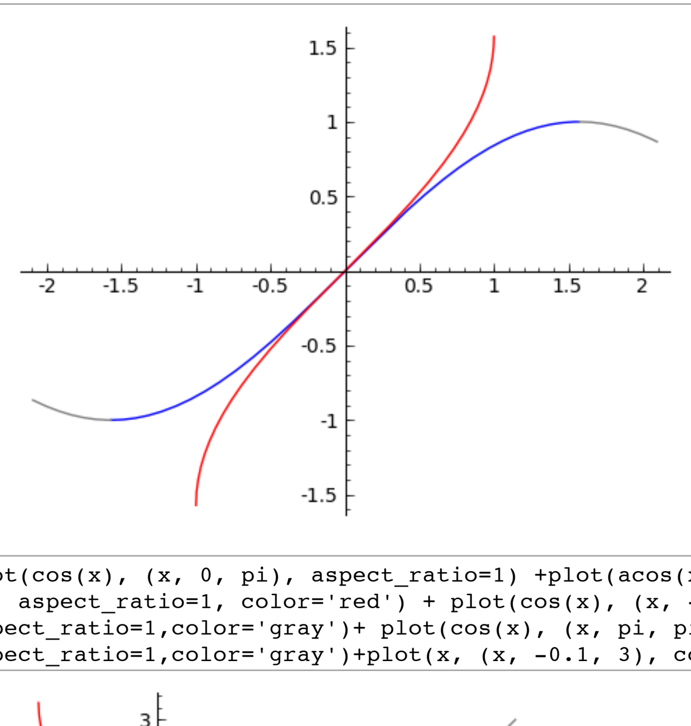
```
plot(log(x,1/2), (x, 0.05, 10), aspect_ratio=1) + plot(log(x,1/3),
(x, 0.05, 10), aspect_ratio=1)
```



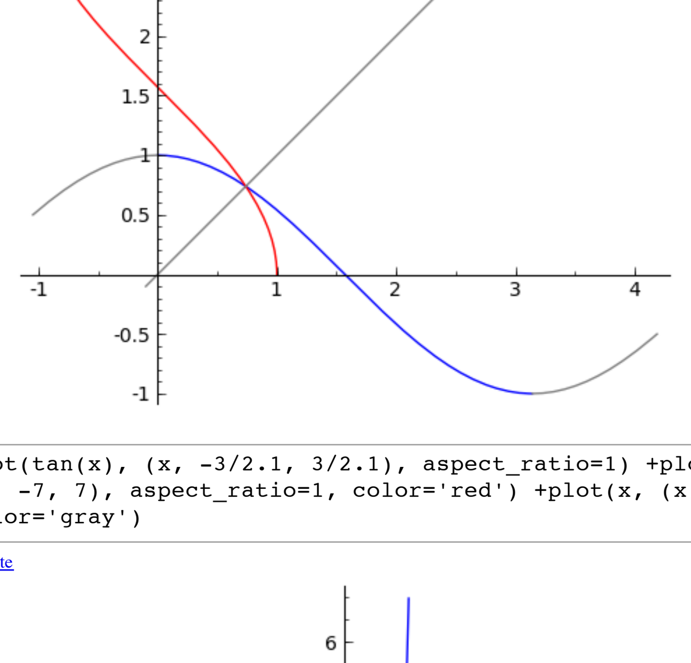
```
plot(log(x), (x, 0, 150), aspect_ratio=1)
```



```
plot(sin(x), (x, -pi/2, pi/2), aspect_ratio=1) +plot(asin(x), (x,
-1, 1), aspect_ratio=1, color='red') + plot(sin(x), (x, -pi/1.5, -
pi/2), aspect_ratio=1,color='gray')+ plot(sin(x), (x, pi/2,
pi/1.5), aspect_ratio=1,color='gray')
```



```
plot(cos(x), (x, 0, pi), aspect_ratio=1) +plot(acos(x), (x, -1,
1), aspect_ratio=1, color='red') + plot(cos(x), (x, -pi/3, 0),
aspect_ratio=1,color='gray')+ plot(cos(x), (x, pi, pi/0.75),
aspect_ratio=1,color='gray')+plot(x, (x, -0.1, 3), color='gray')
```



```
plot(tan(x), (x, -3/2.1, 3/2.1), aspect_ratio=1) +plot(atan(x),
(x, -7, 7), aspect_ratio=1, color='red') +plot(x, (x, -5, 5),
color='gray')
```

evaluate