

Section 4.3 Problem 28 Graphs

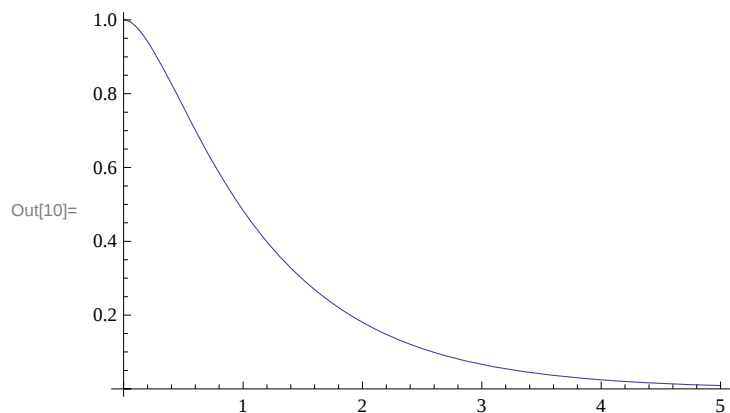
b=5:

```
In[7]:= f[t_] := (-1/3) e-4 t + (4/3) e-t
```

```
In[8]:= f[0]
```

```
Out[8]= 1
```

```
In[10]:= Plot[f[t], {t, 0, 5}]
```



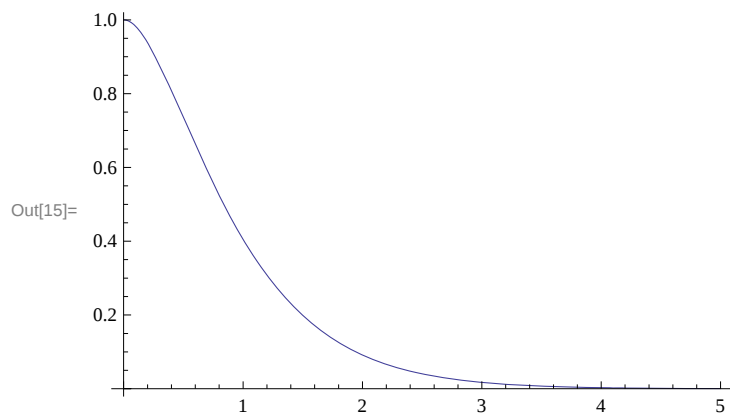
b=4:

```
In[11]:= g[t_] := e-2 t + 2 t e-2 t
```

```
In[12]:= g[0]
```

```
Out[12]= 1
```

```
In[15]:= Plot[g[t], {t, 0, 5}]
```



b=2:

```
In[16]:= h[t_] := e-t (cos[√3 t] + 1/√3 sin[√3 t])
```

In[18]:= **Plot**[**h**[**t**], {**t**, 0, 5}, **PlotRange** → {- .2, 1}]

