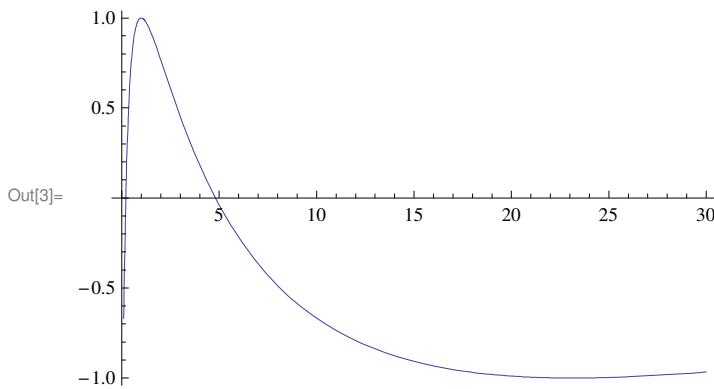
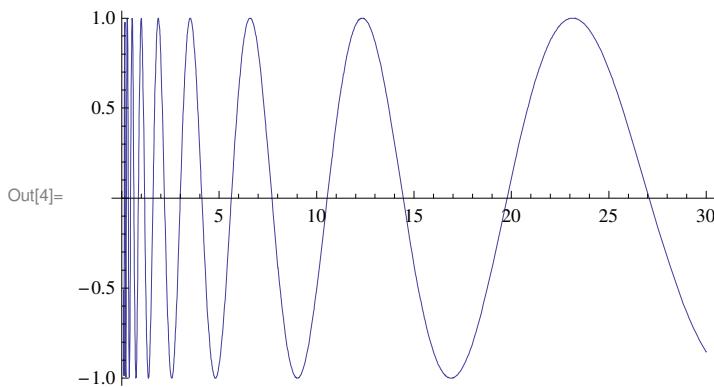


konstantna amplituda - cisto imaginarni korenji

```
Plot[Cos[Log[x]], {x, 0.1, 30}]
```

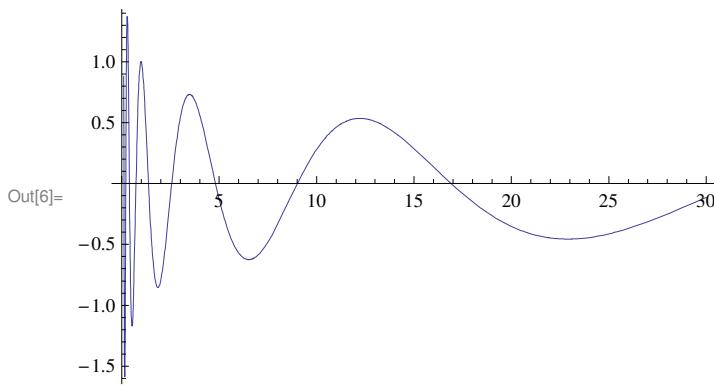


```
In[4]:= Plot[Cos[10 * Log[x]], {x, 0.1, 30}]
```

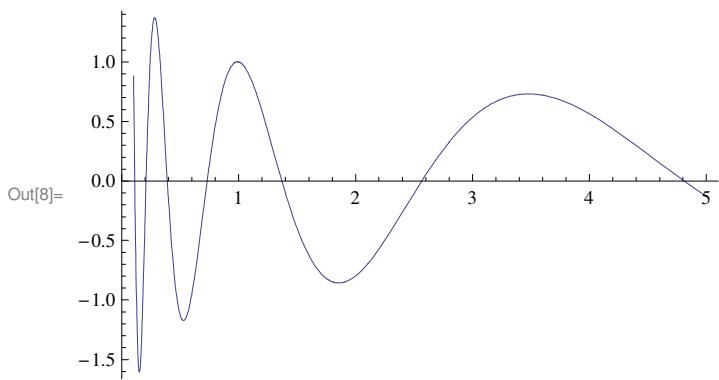


realni deo korena negativan ($-1/4$); nema limes u $0+$; vlastive amplitudo i brze oscilacije

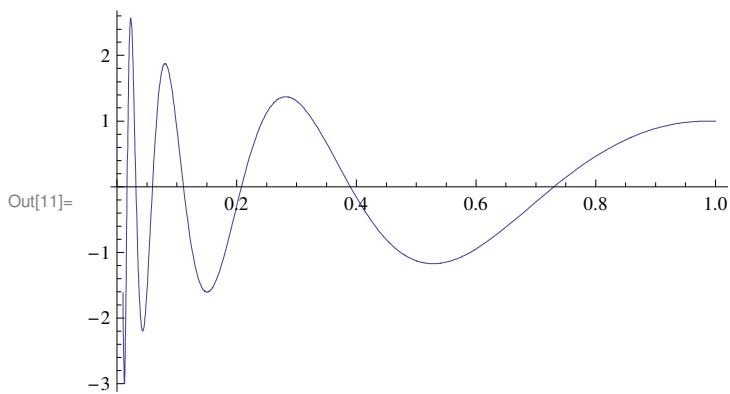
```
In[6]:= Plot[x-1/4 * Cos[5 * Log[x]], {x, 0.1, 30}]
```



In[8]:= Plot $\left[x^{-\frac{1}{4}} \cdot \cos [5 \cdot \log [x]], \{x, 0.1, 5\} \right]$



In[11]:= Plot $\left[x^{-\frac{1}{4}} \cdot \cos [5 \cdot \log [x]], \{x, 0.01, 1\} \right]$



realni deo korena pozitivan, resenje konvergira ka nuli, ali osilira brzo

In[12]:= Plot $\left[x^{\frac{1}{4}} \cdot \cos [5 \cdot \log [x]], \{x, 0.1, 5\} \right]$

