**Section 7.3**

(56)

4[ln(z)+ ln(z+5)] – 2ln(z-5)

= 4[ln z \*(z+5)]-2ln(z-5)

= ln(z2+ 5z)4 – ln(z-5)2

= ln[(z2+ 5z)4 /(z-5)2]

**Section 7.4**

(90)

ln√(x-8) = 5

eln√(x-8)=e5

(√(x-8))2= (e5)2

x-8 = e10

x = e10+8, x ≈ 22034.47

(102)

log10(x+2) = 3

10 log10(x+2)= 103

(x+2) = 103

x = 103-2

x = 998