```
mod3=lm(log(a2$fev)~log(a2$age))

##(b) 95% Confidence intervals for intercept and slope of the model in the transformed scale
confint(mod3, level=0.95)

##(c) Value of slope
summary(mod3)

##(d) Produce residual vs fitted plot
plot(mod3,which=1)
plot(mod3,which=2)

## ANOVA analysis
anova(mod3);anova(mod2)
```