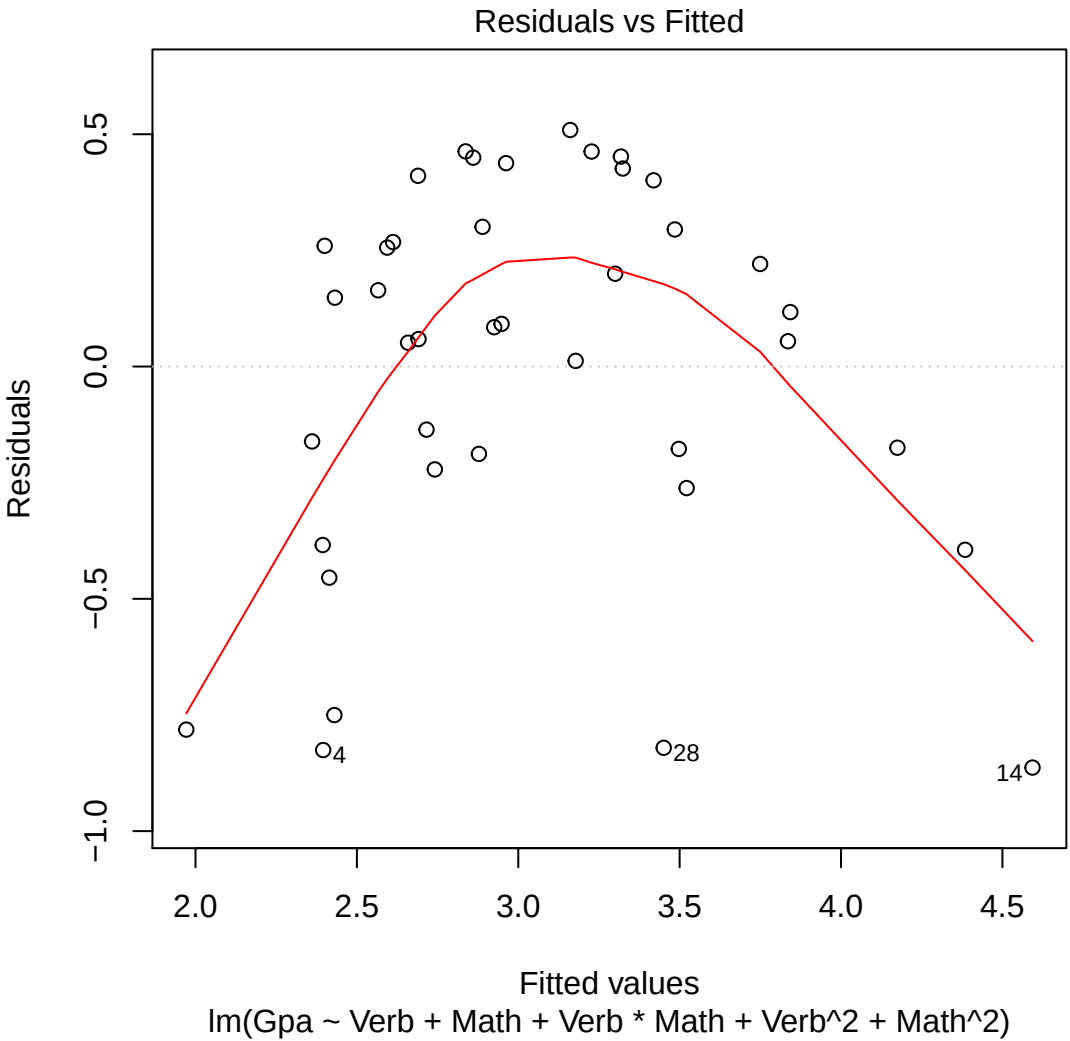
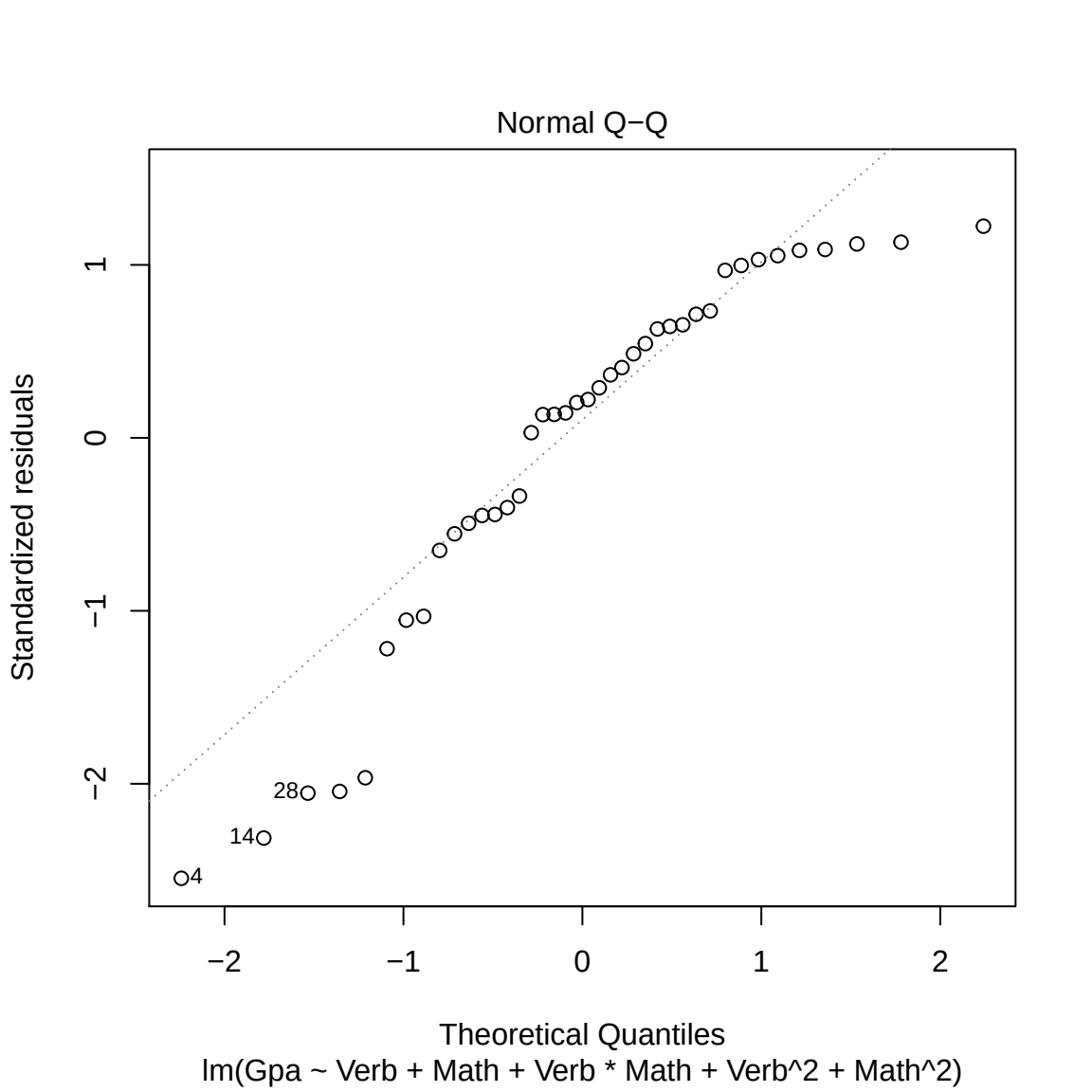
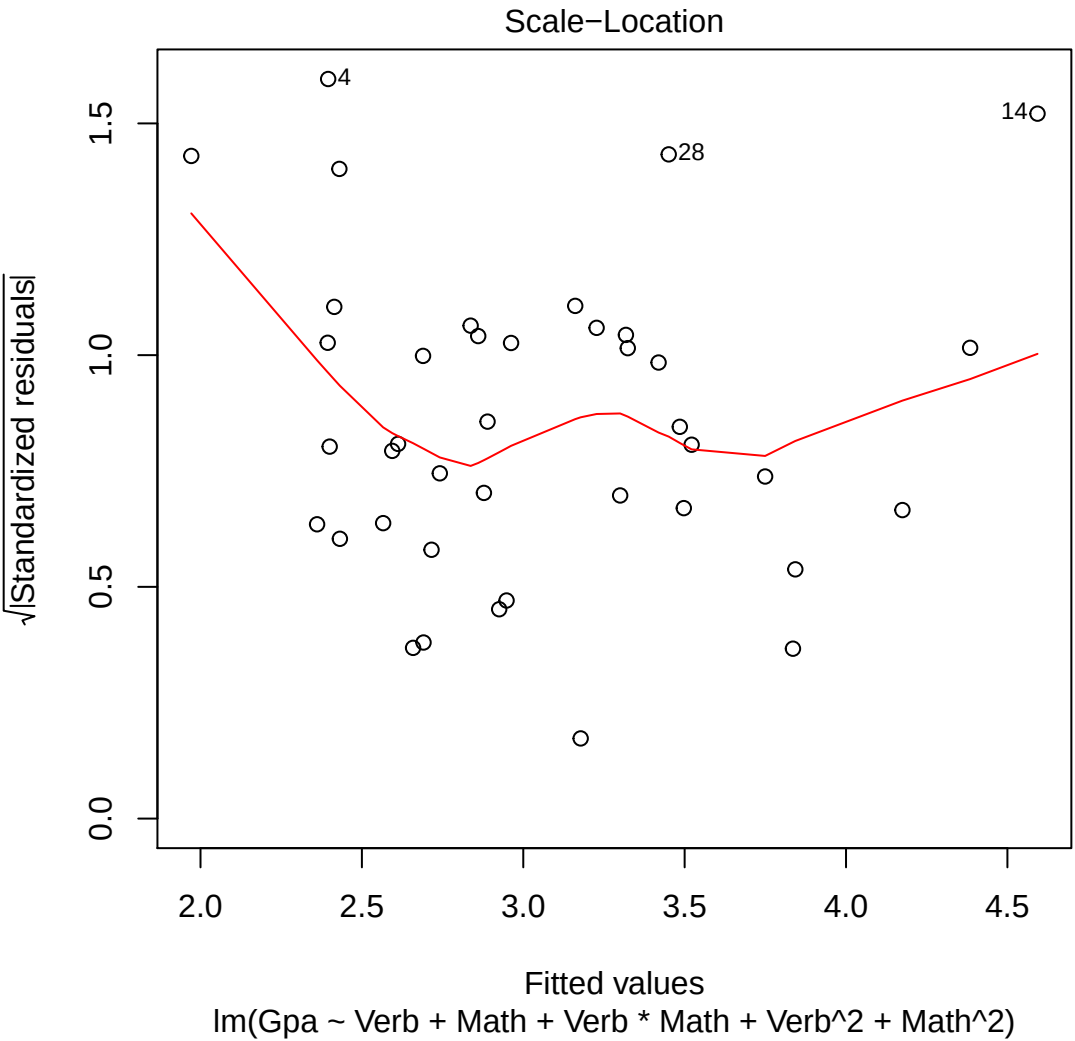
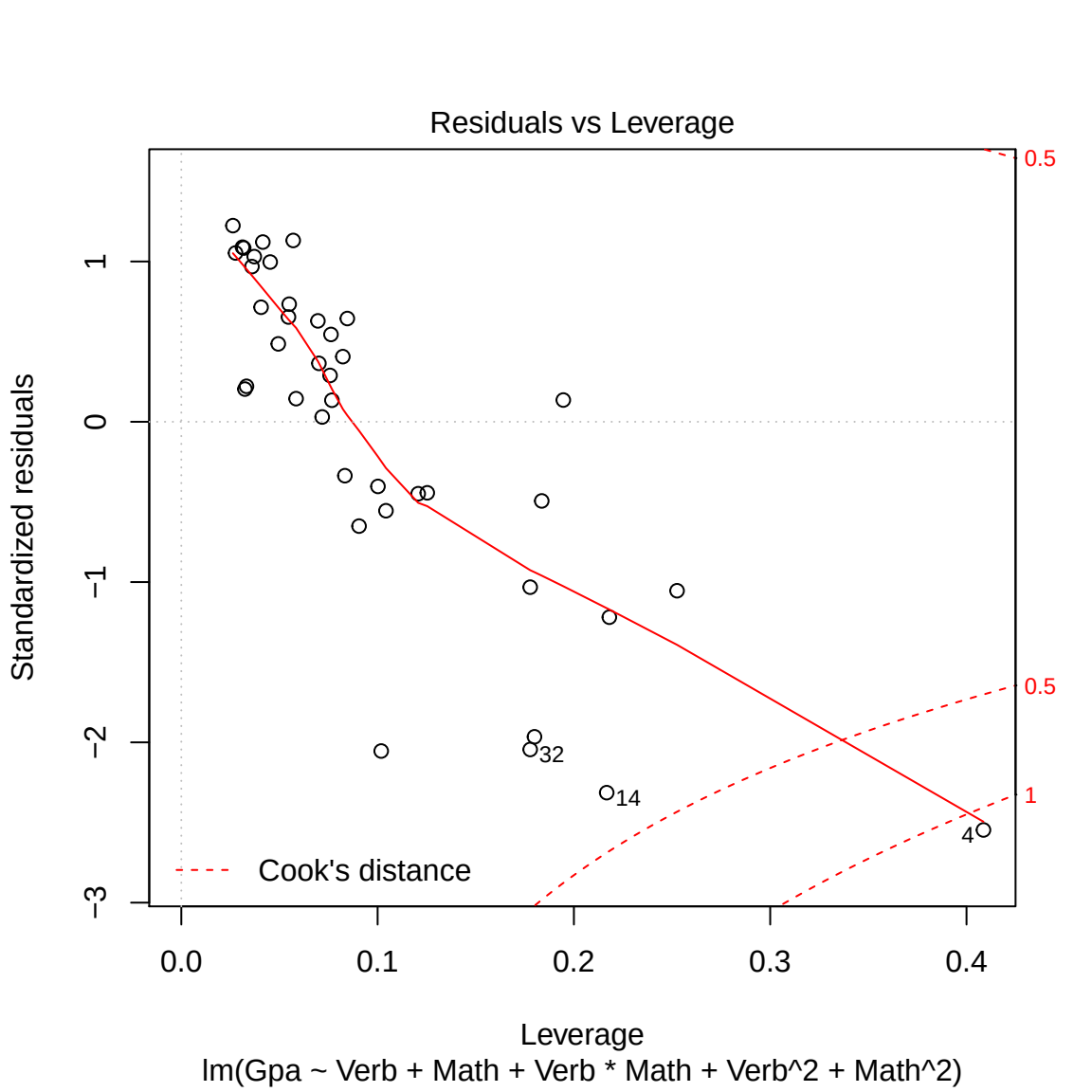

Residuals vs Fitted
Residuals
0.5
0.0
−0.5
−1.0
2.0
2.5
3.0
3.5
4.0
4.5
4
28
14
Fitted values
lm(Gpa ~ Verb + Math + Verb * Math + Verb^2 + Math^2)


Normal Q−Q
Standardized residuals
Theoretical Quantiles
lm(Gpa ~ Verb + Math + Verb * Math + Verb^2 + Math^2)
28
14
4
−2
−1
0
1
2


Scale−Location
√|Standardized residuals|
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
4
28
14
Fitted values
lm(Gpa ~ Verb + Math + Verb * Math + Verb^2 + Math^2)


Residuals vs Leverage
Standardized residuals
Leverage
lm(Gpa ~ Verb + Math + Verb * Math + Verb^2 + Math^2)
Cook's distance
0.5
0.5
1
32
14
4
1
0
−1
−2
−3
0.0
0.1
0.2
0.3
0.4