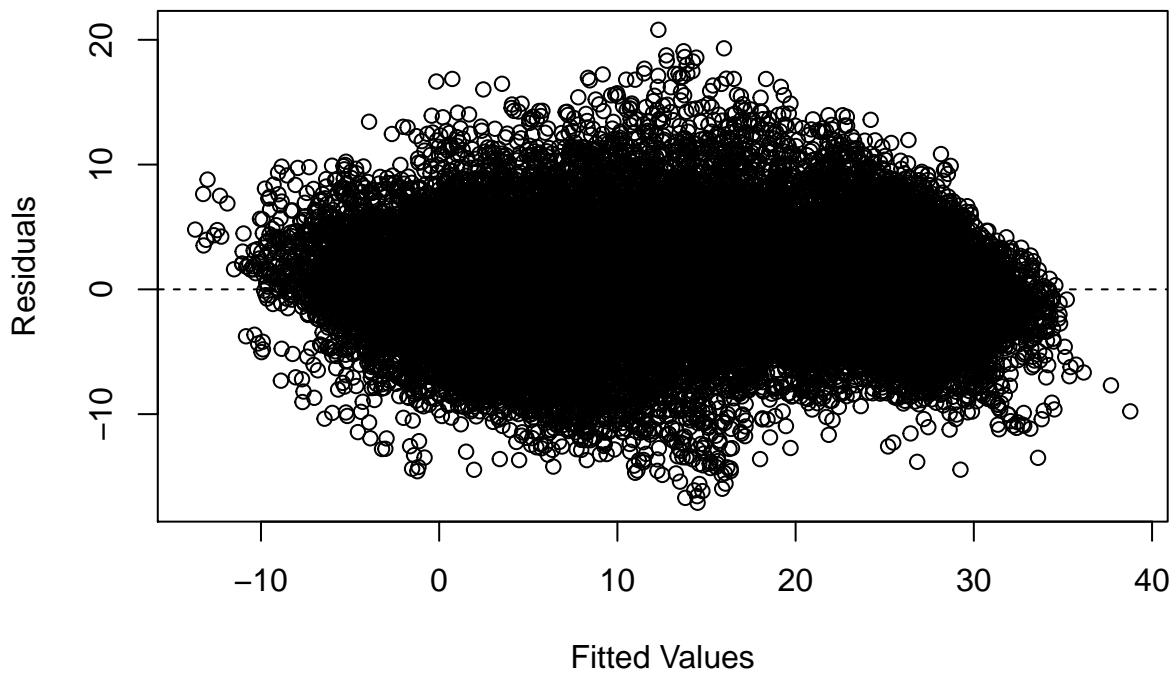
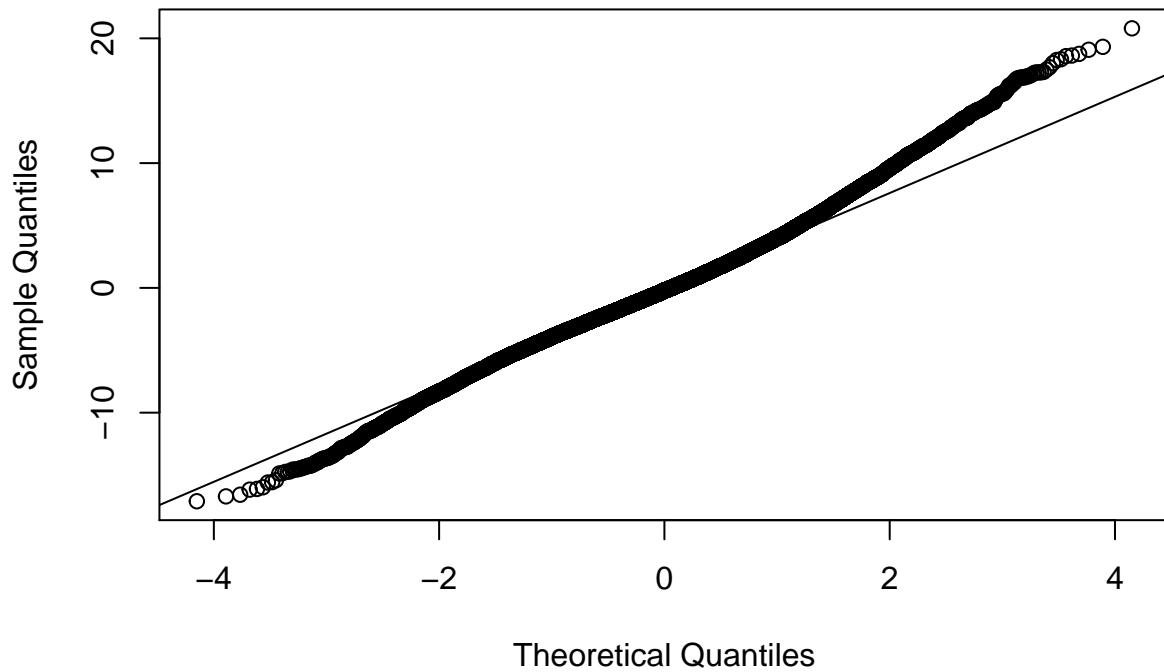


```
e2 <- resid(final2.lm)
yhat2 <- fitted(final2.lm)
plot(yhat2, e2, xlab = 'Fitted Values', ylab = 'Residuals')
abline(h = 0, lty = 2)
```



```
qqnorm(e2)
qqline(e2)
```

Normal Q-Q Plot



```
summary(final2.lm)

##
## Call:
## lm(formula = TEMP ~ log(O3) + log(CO) + log(PM10) + log(PM2.5) +
##       hour + DEWP + WSPM)
##
## Residuals:
##    Min      1Q  Median      3Q     Max 
## -17.099 -2.714 -0.230  2.489 20.801 
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)    
## (Intercept) 15.666860  0.303187  51.67 <2e-16 ***
## log(O3)      1.939922  0.021893  88.61 <2e-16 ***
## log(CO)     -2.503649  0.053792 -46.54 <2e-16 ***
## log(PM10)    2.316864  0.055216  41.96 <2e-16 ***
## log(PM2.5)   -1.563668  0.061886 -25.27 <2e-16 ***
## hour         0.102529  0.003766  27.23 <2e-16 ***
## DEWP         0.697613  0.002072 336.68 <2e-16 ***
## WSPM         0.853422  0.022883  37.30 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 4.281 on 30186 degrees of freedom
## Multiple R-squared:  0.8603, Adjusted R-squared:  0.8602 
## F-statistic: 2.655e+04 on 7 and 30186 DF,  p-value: < 2.2e-16
```