```r
Brand1 = c(20, 24, 27, 26, 33)
Brand2 = c(27, 38, 32, 39, 34)
Brand3 = c(22, 24, 19, 26, 29)
plots = c(rep("Brand1", 5),rep("Brand2", 5),rep("Brand3", 5))
seeds = c(Brand1, Brand2, Brand3)
```

(a)

```r
mean(Brand1)
```

```
## [1] 26
```

```r
var(Brand1)
```

```
## [1] 22.5
```

(b)

```r
results = glm(seeds ~ factor(plots))
summary(aov(results))
```

```
##               Df Sum Sq Mean Sq F value  Pr(>F)
## factor(plots)  2    280  140.00   6.942 0.00993 **
## Residuals     12    242   20.17
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

From the plot above we can see that the test statistic is 6.942 and p-value is 0.00993.

(c)

```r
TukeyHSD(aov(results))
```

```
##   Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = results)
##
## $`factor(plots)`
##                diff         lwr       upr     p adj
## Brand2-Brand1    8   0.4227662 15.577234 0.0384359
## Brand3-Brand1   -2  -9.5772338  5.577234 0.7656444
## Brand3-Brand2  -10 -17.5772338 -2.422766 0.0108816
```