1. **Problem**

Consider the following regression results:

```
Call:
lm(formula = y ~ x, data = d)
Residuals:
            1Q Median
    Min
                                ЗQ
                                        Max
-2.14867 -0.82868 -0.07472 0.66596 2.54119
Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 0.0001676 0.1254992 0.001 0.999
           1.2492437 0.1241613 10.061 2.04e-14
х
Residual standard error: 0.9786 on 59 degrees of freedom
Multiple R-squared: 0.6318, Adjusted R-squared: 0.6255
F-statistic: 101.2 on 1 and 59 DF, p-value: 2.043e-14
Describe how the response y depends on the regressor x.
Solution
```

The presented results describe a linear regression.

The mean of the response y increases with increasing x.

If x increases by 1 unit then a change of y by about 1.25 units can be expected.

Also, the effect of \mathbf{x} is significant at the 5 percent level.