

3. An online bookstore charges a flat rate plus a per book charge. The data below gives some information about their costs.

# of books	10	16	21	28	38
Cost, in \$	20	27.5	33.75	42.5	55

- a. Define the independent and dependent variables.
- b. Write the linear equation that represents this situation. **Show your work.**
- c. From **part b**, identify and interpret the slope of the equation.
- d. From **part b**, identify and interpret the vertical intercept of the equation.