## Unit 3 Lesson 7: The Correlation Coefficient

### 1 Which One Doesn’t Belong: Linear Models (Warm up)

#### Student Task Statement

Which one doesn’t belong?

A



B



C



D



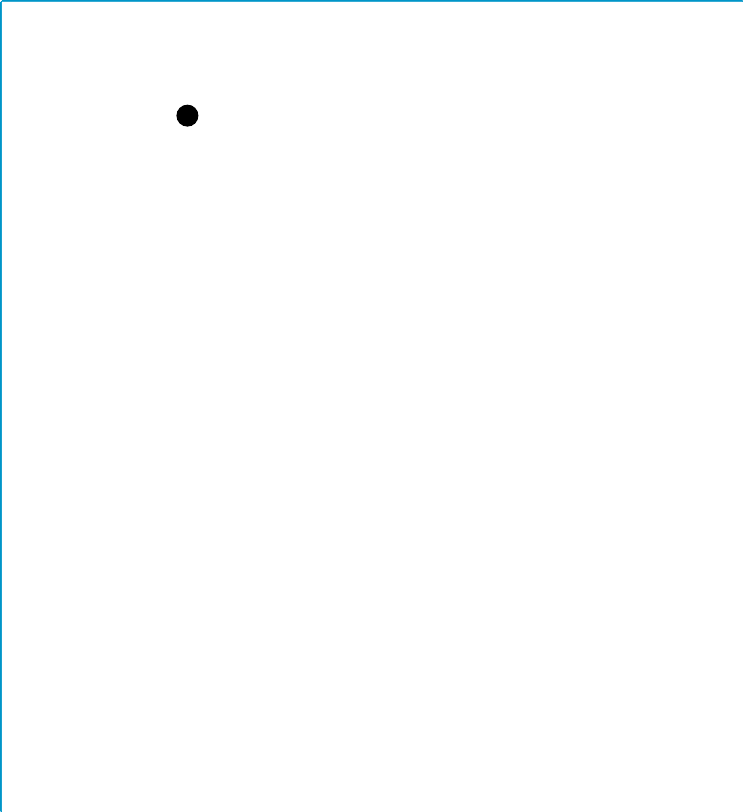
### 2 Card Sort: Scatter Plot Fit

#### Student Task Statement

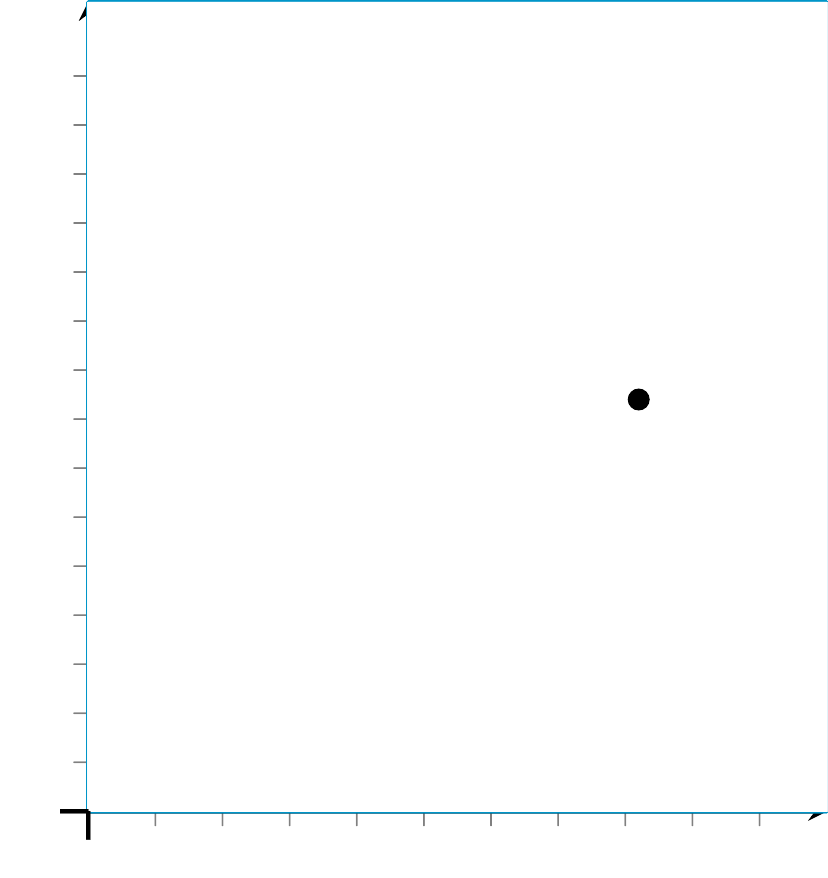
Your teacher will give you a set of cards that show scatter plots of data. Sort the cards into 2 categories of your choosing. Be prepared to explain the meaning of your categories. Then, sort the cards into 2 categories in a different way. Be prepared to explain the meaning of your new categories.

#### Activity Synthesis

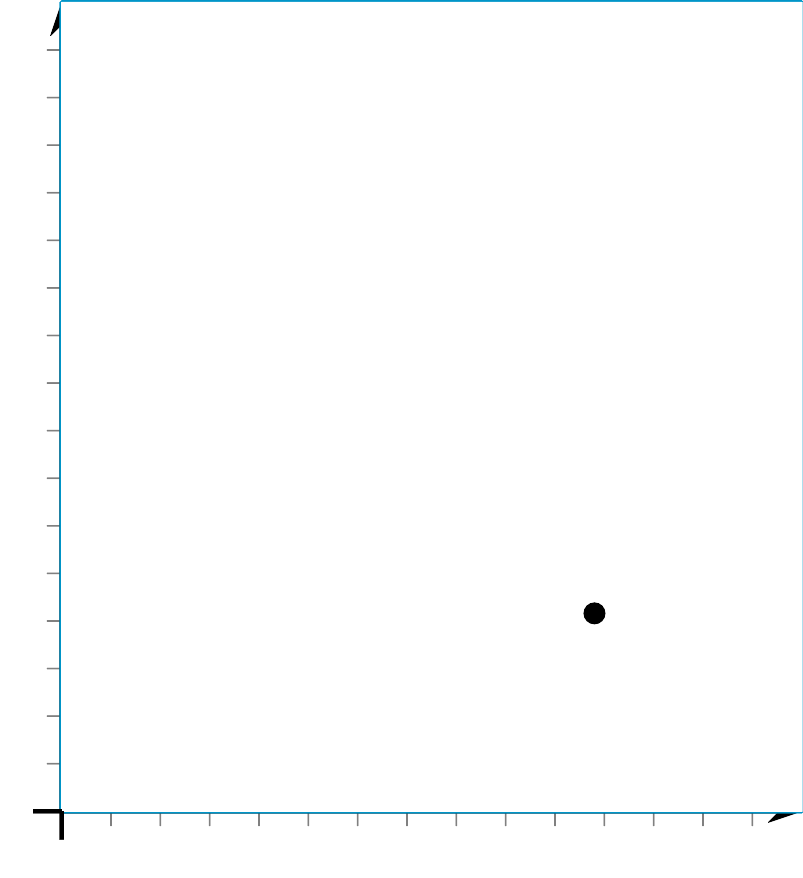
A:



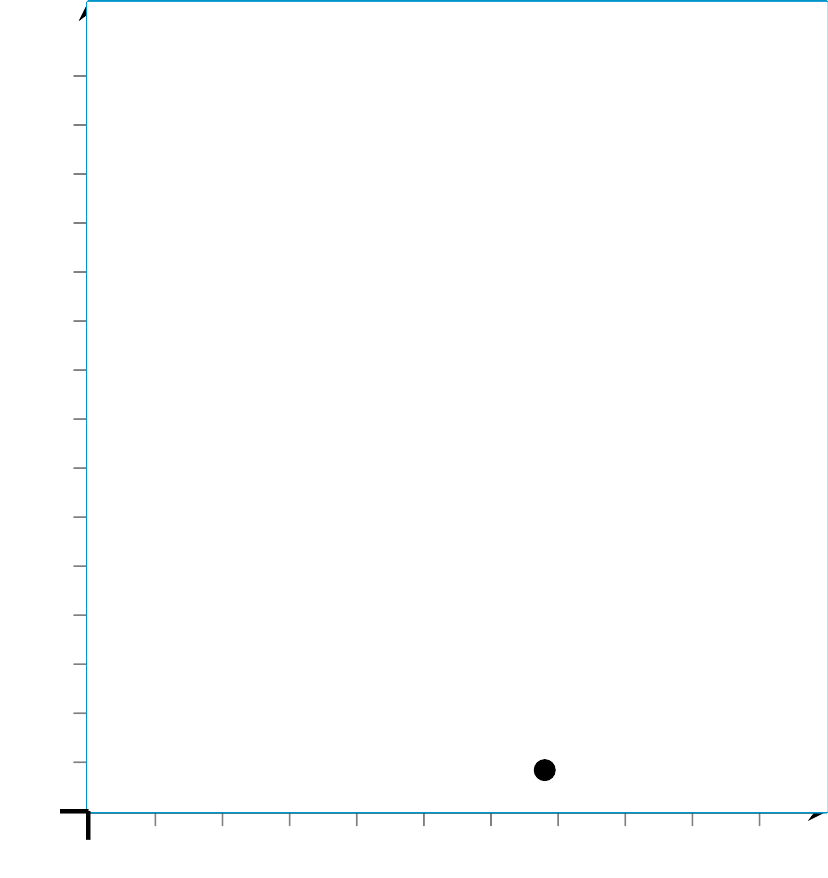
B:



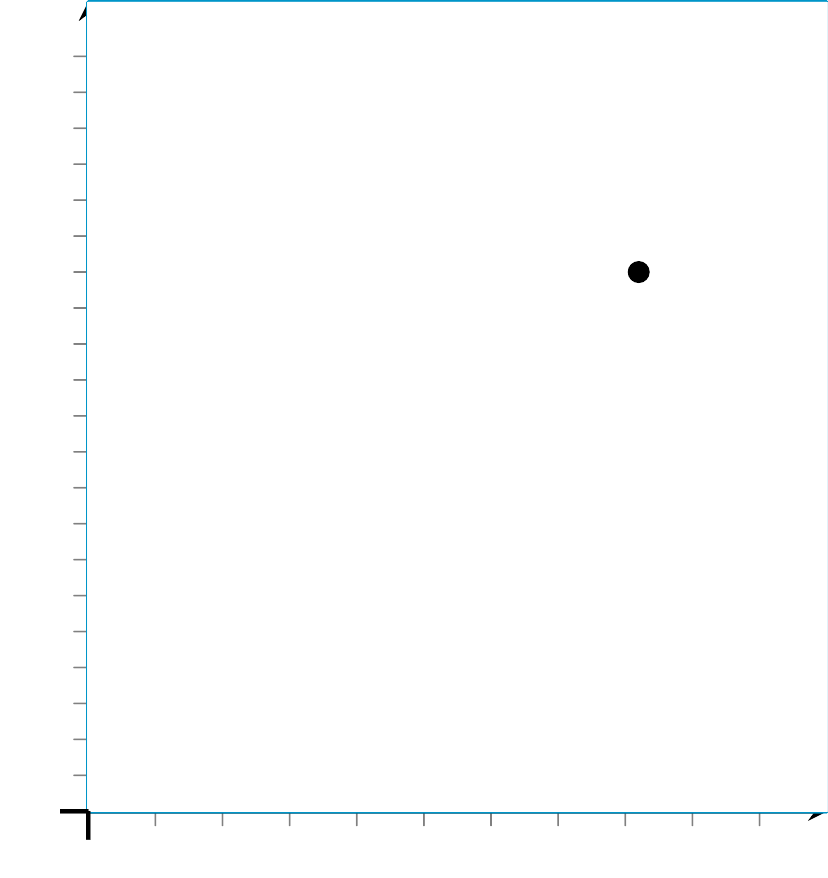
C:



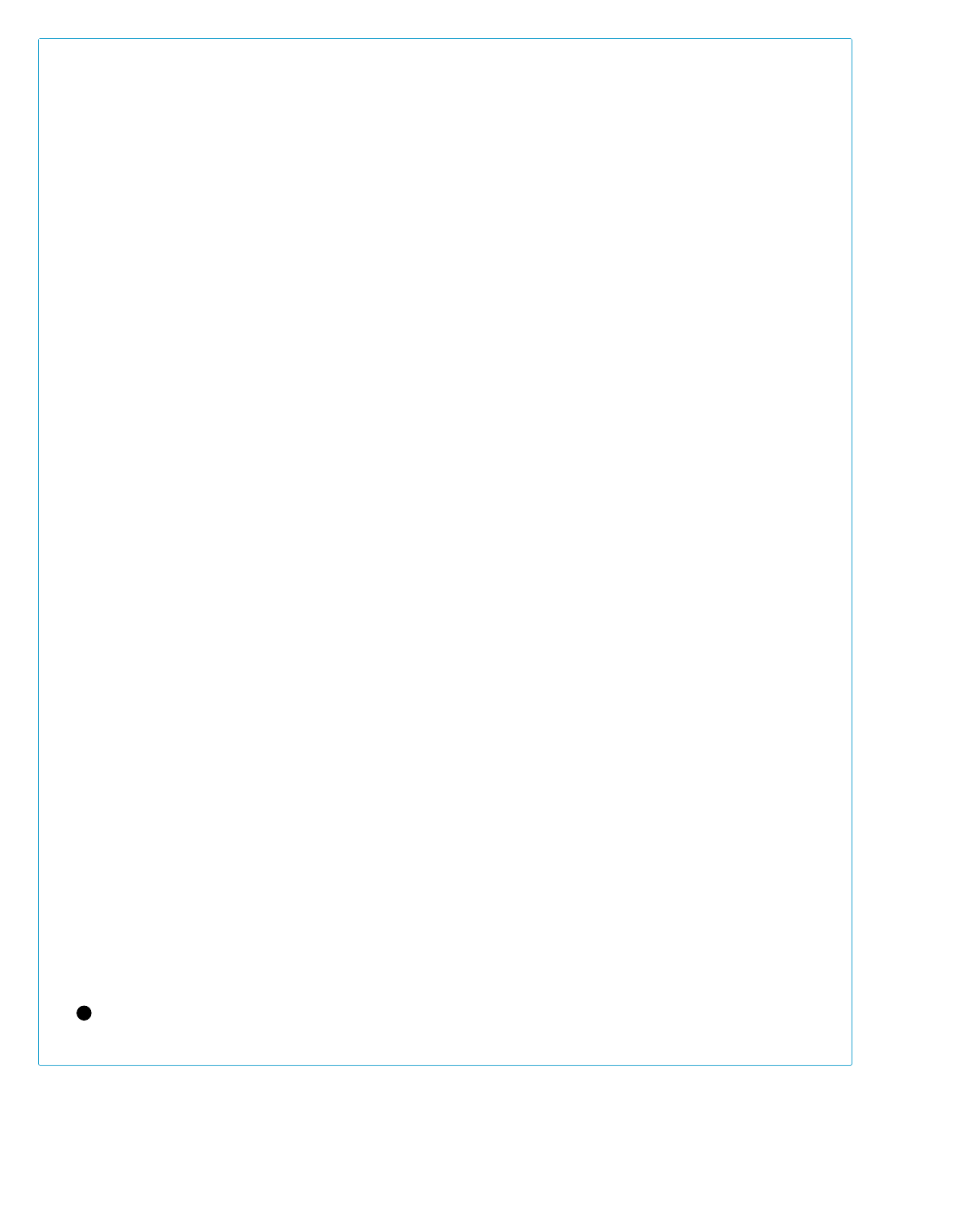
D:



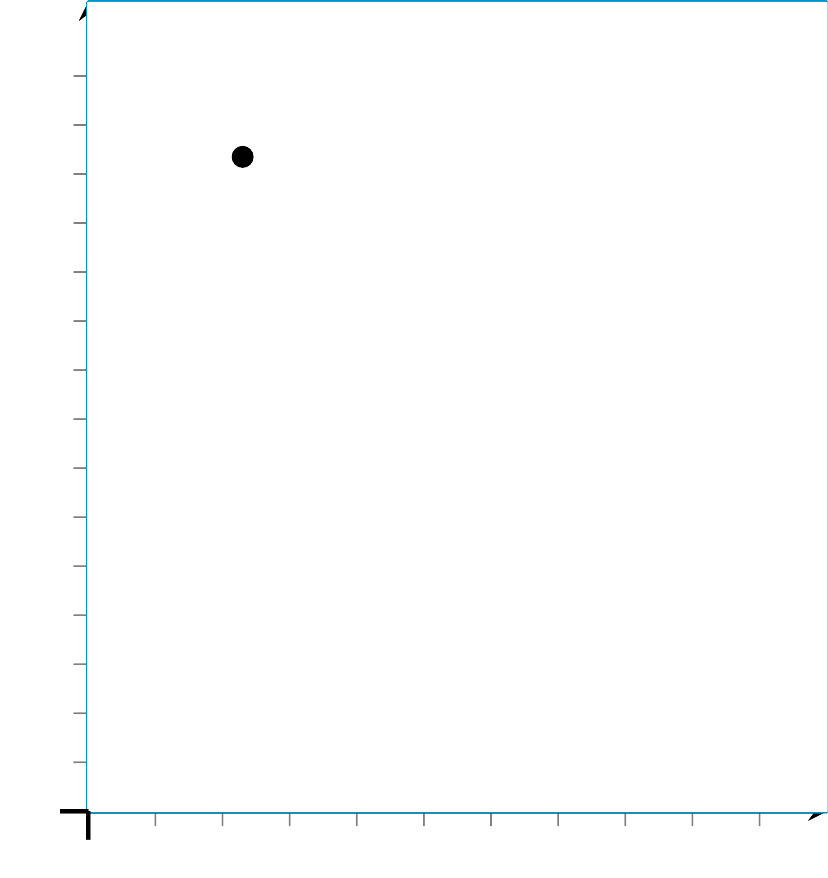
E:



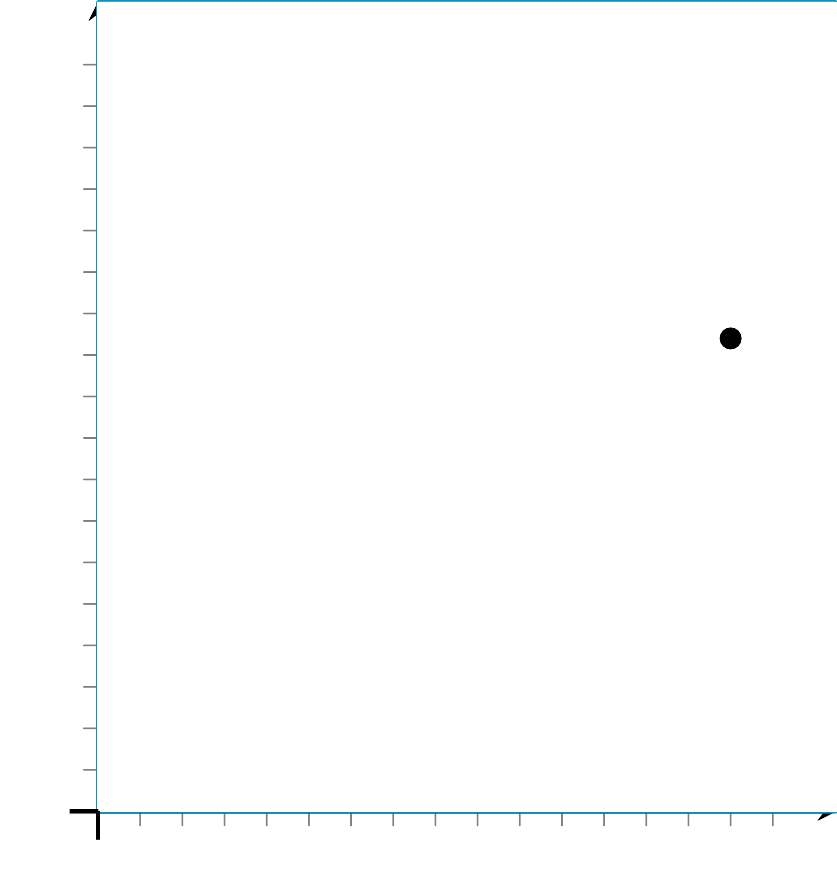
F: ,



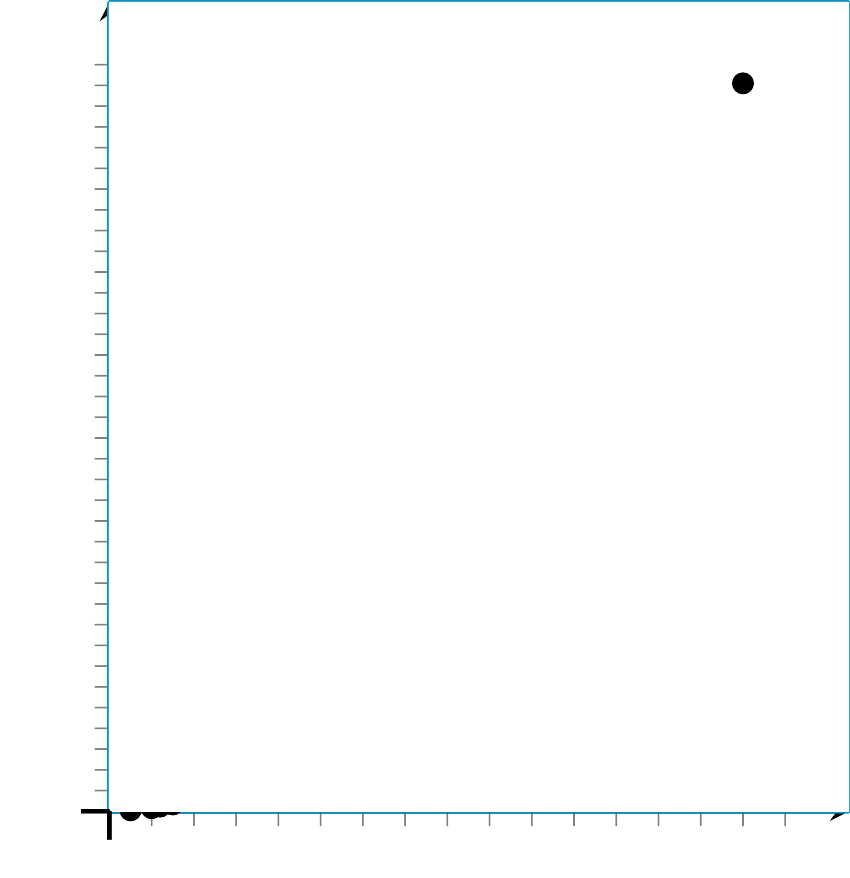
G:



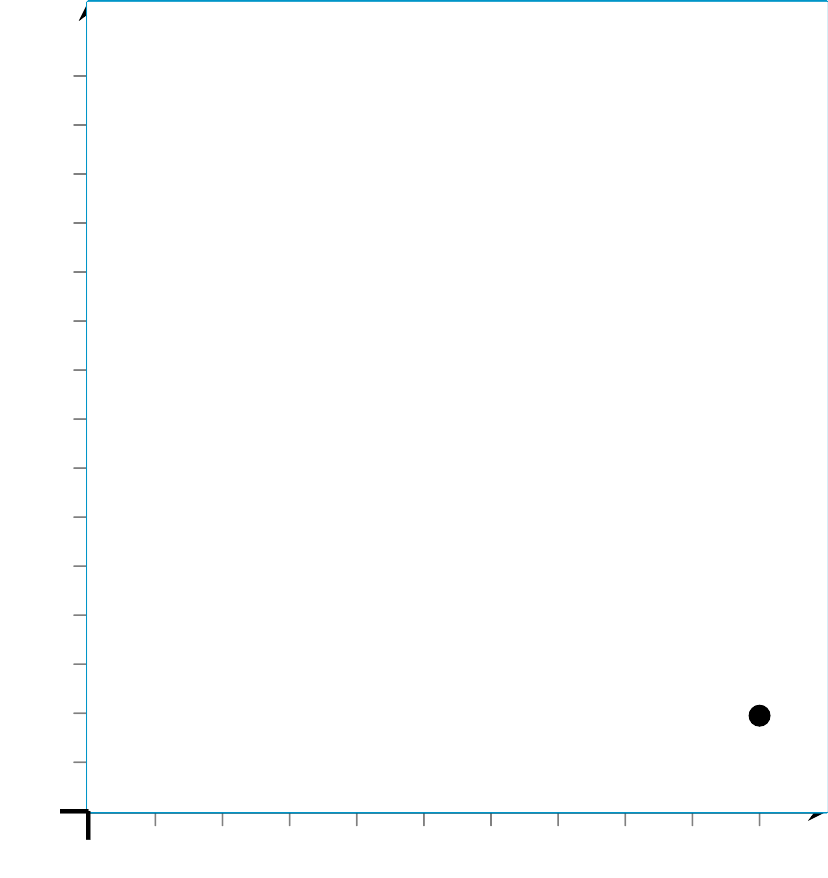
H:



I:



J:

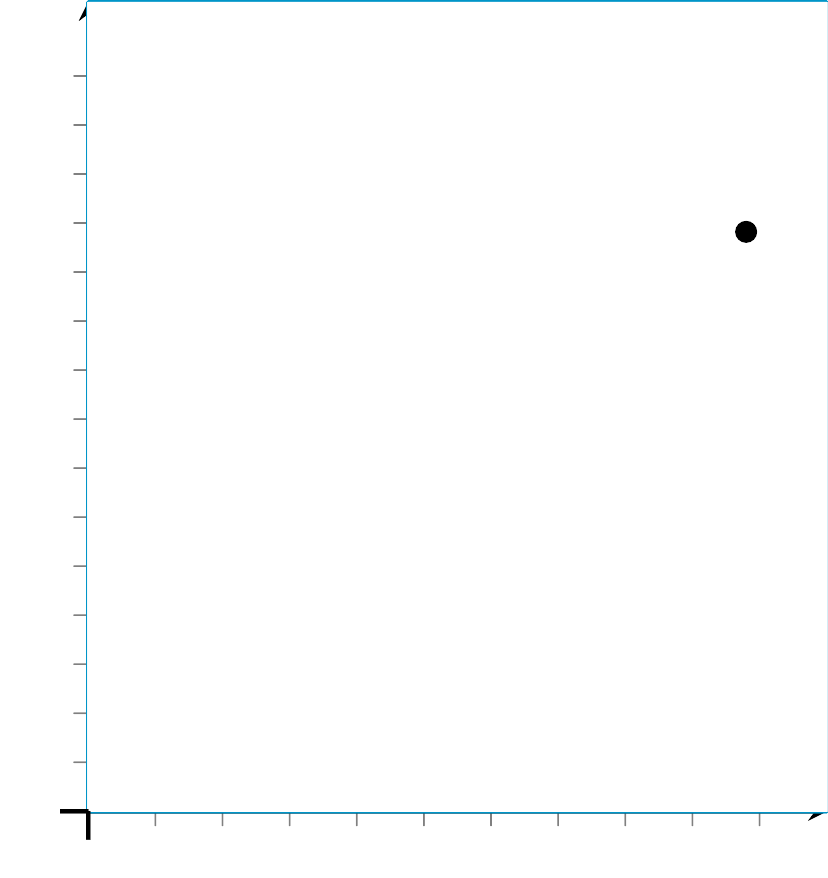


### 3 Matching Correlation Coefficients

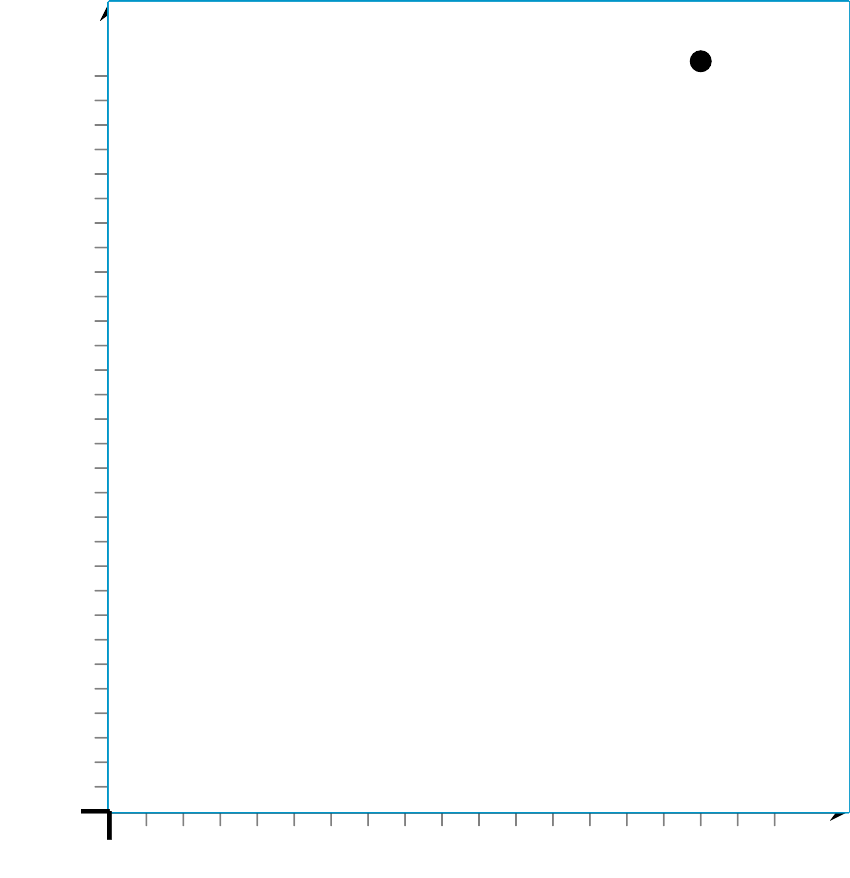
#### Student Task Statement

1. Take turns with your partner to match a scatter plot with a **correlation coefficient**.
2. For each match you find, explain to your partner how you know it’s a match.
3. For each match your partner finds, listen carefully to their explanation. If you disagree, discuss your thinking and work to reach an agreement.

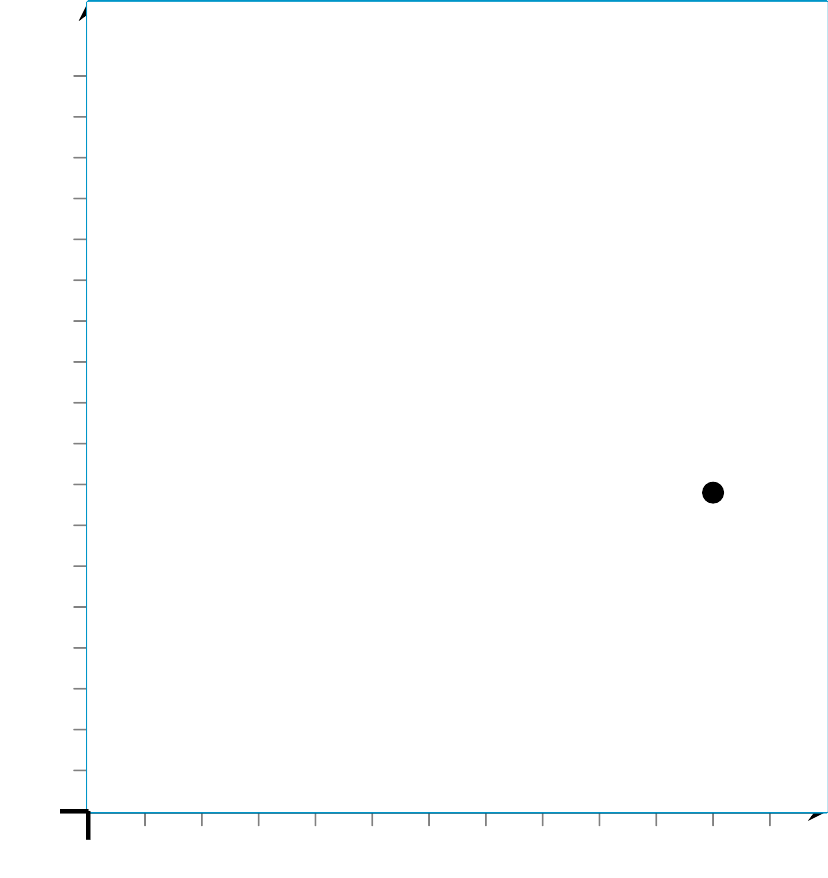
A



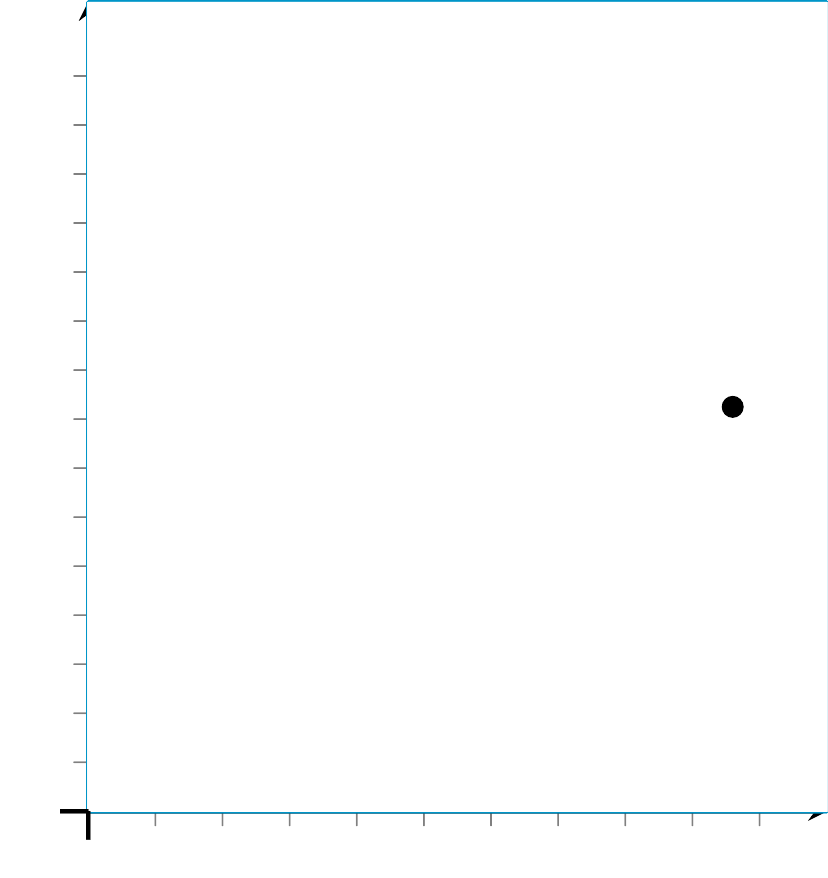
B



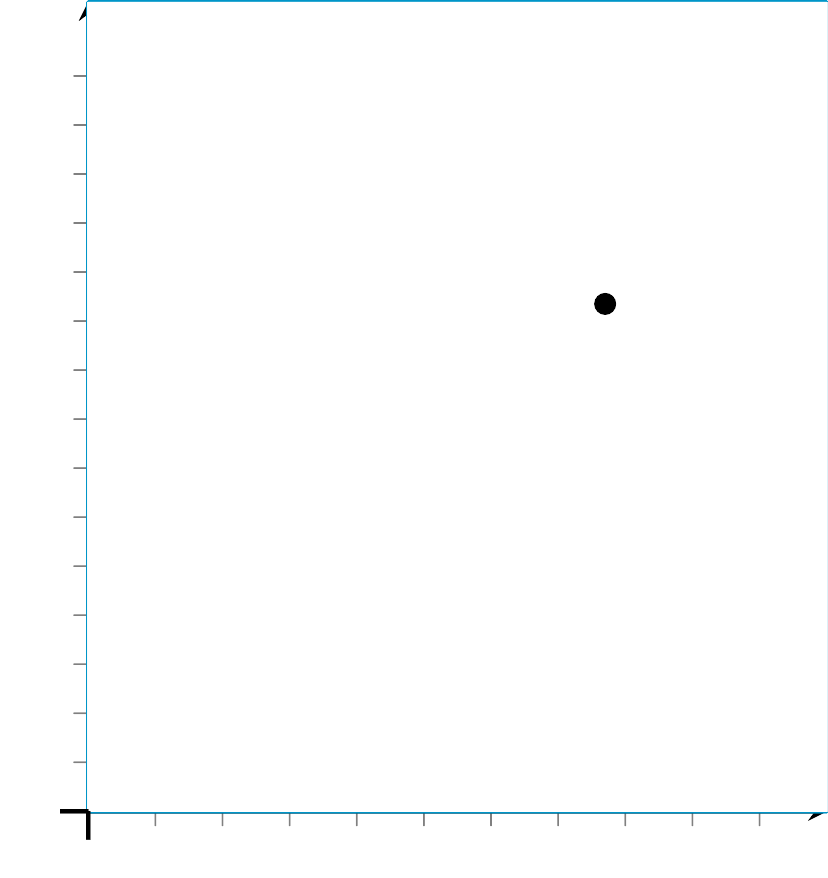
C



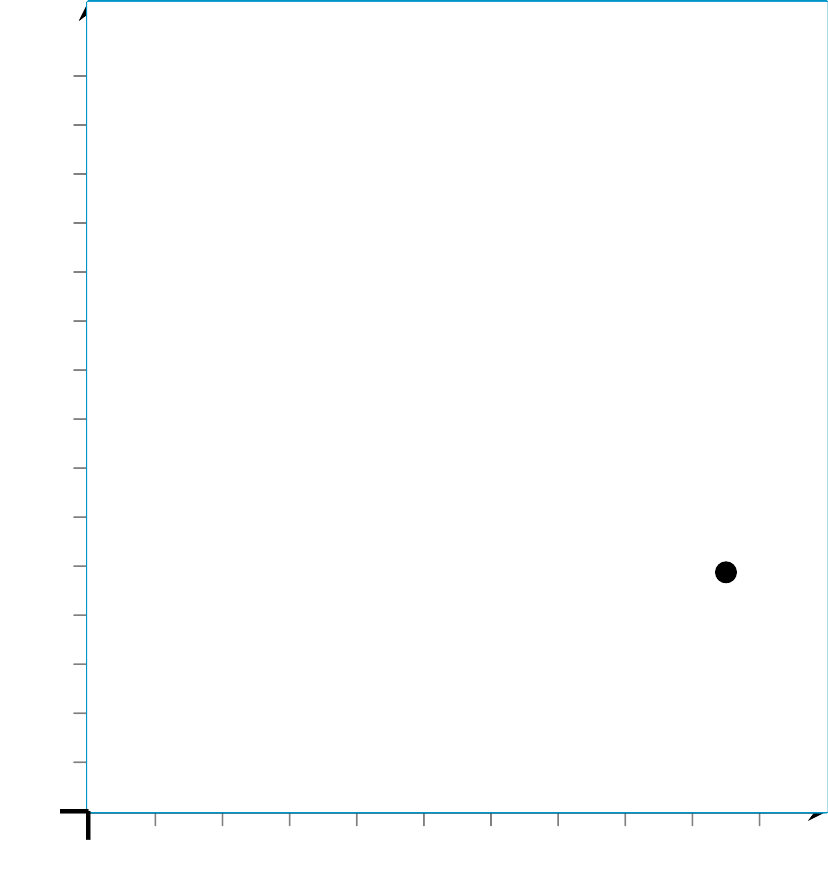
D



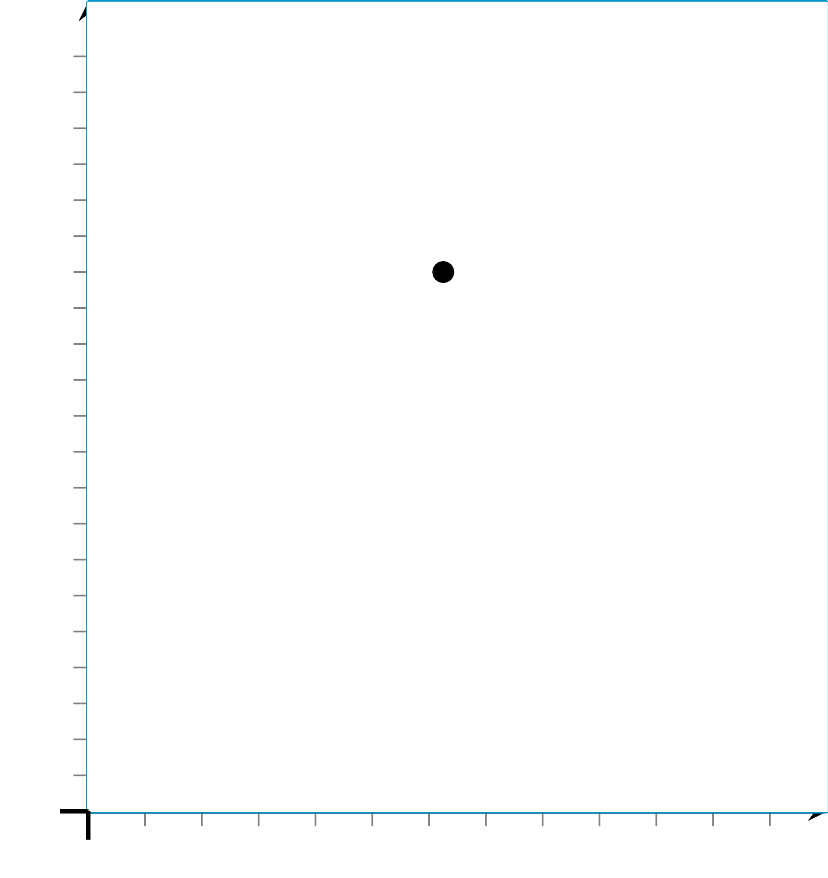
E



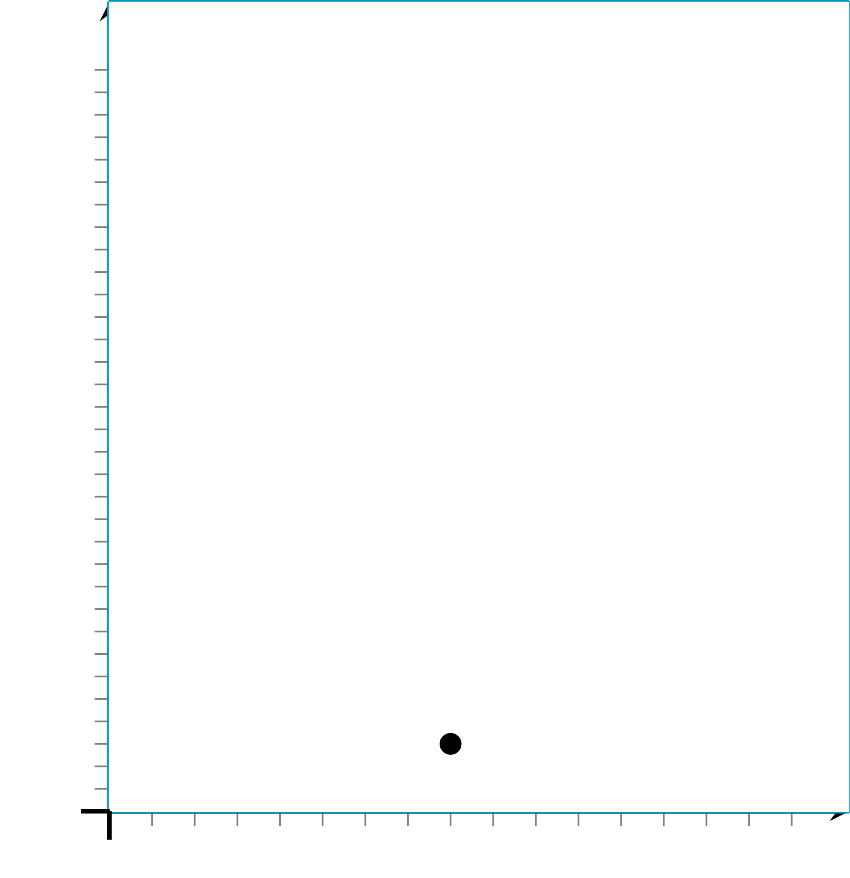
F



G



H





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