Math Practice - Grade 8

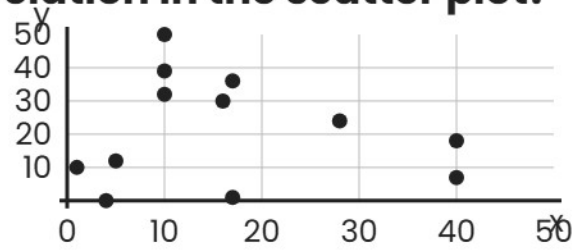
M12 Bivariate data

M12 8.SP.A.1, 8.SP.A.2, 8.SP.A.3, 8.SP.A.4

Name: _____ Date: _____

Tell whether the association in a scatter plot is positive, negative, or none, and whether it is linear or nonlinear. Pick the line that fits the data best. Use the equation of a fitted line to predict a value. Read a two way table with row and column totals.

1 **What is the association in the scatter plot?**



Positive linear	Negative linear	Positive nonlinear	Negative nonlinear

No association

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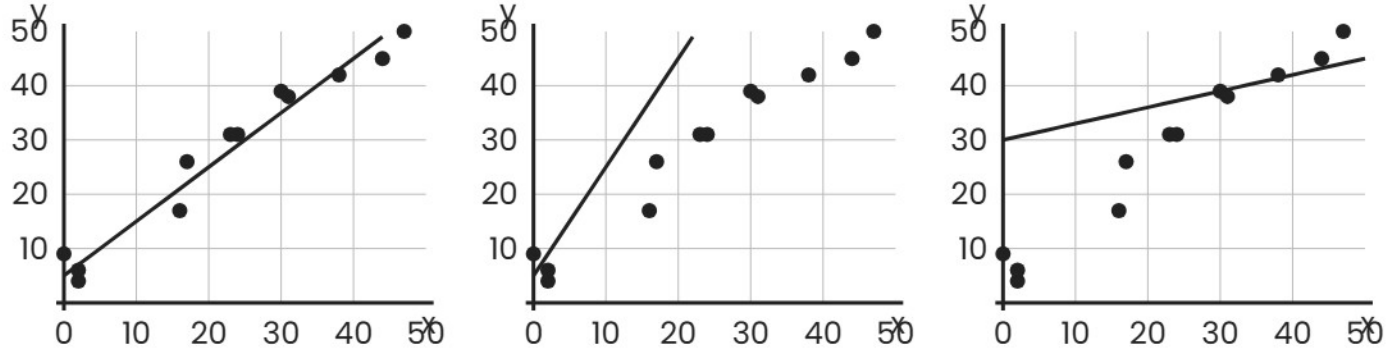
2 **Which line fits the data best?**



A **B** **C**

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3 **The line of best fit is y = x + 3. Predict y when x = 26.**

$y = x + 3, x = 26, y =$ ☐

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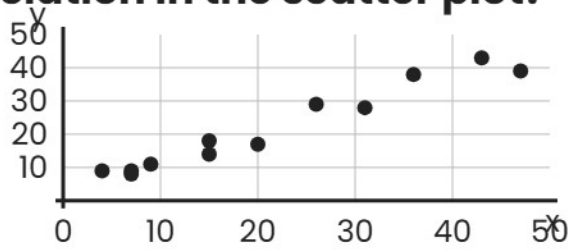
1 **What is the association in the scatter plot?**



Positive linear	Negative linear	Positive nonlinear	Negative nonlinear

No association

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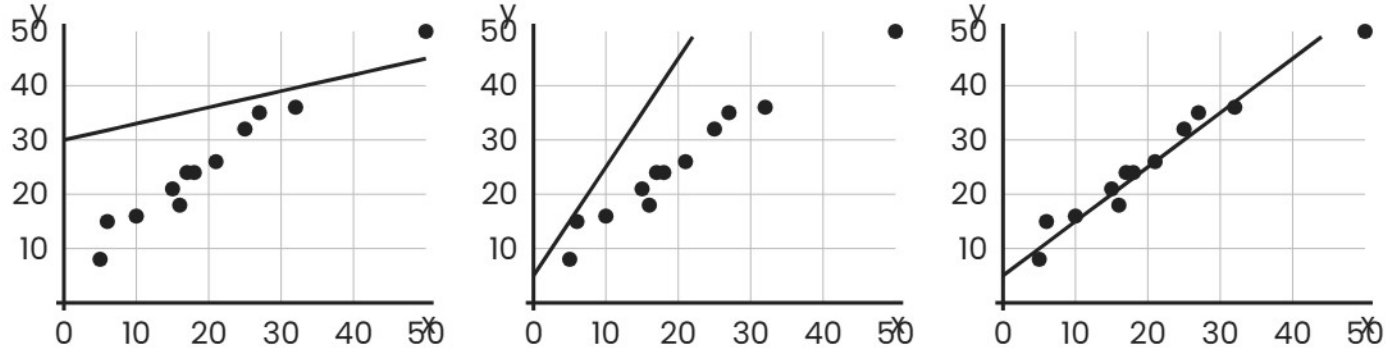
2 **Which line fits the data best?**



A **B** **C**

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3 **The line of best fit is y = x + 4. Predict y when x = 6.**

$y = x + 4, x = 6, y =$ ☐

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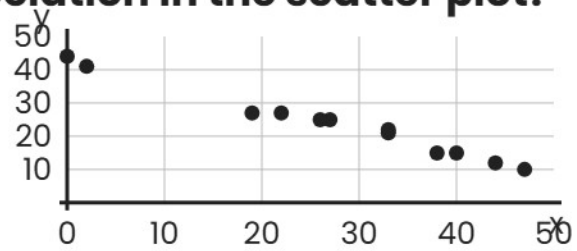
M12 Bivariate data

M12 8.SP.A.1, 8.SP.A.2, 8.SP.A.3, 8.SP.A.4

Name: _____ Date: _____

Tell whether the association in a scatter plot is positive, negative, or none, and whether it is linear or nonlinear. Pick the line that fits the data best. Use the equation of a fitted line to predict a value. Read a two way table with row and column totals.

1 **What is the association in the scatter plot?**



Positive linear	Negative linear	Positive nonlinear	Negative nonlinear

No association

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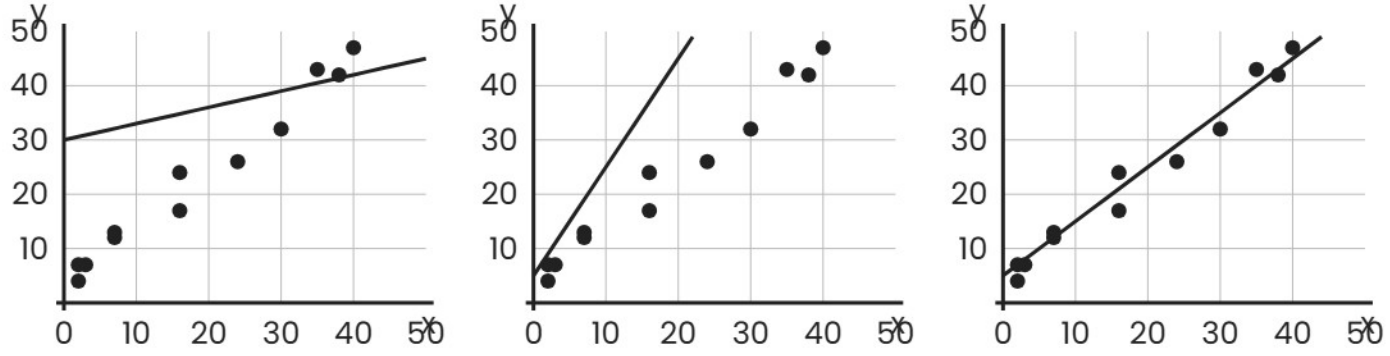
2 **Which line fits the data best?**



A **B** **C**

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3 **The line of best fit is y = 3/2x + 9. Predict y when x = 20.**

$y = 3/2x + 9, x = 20, y =$ ☐