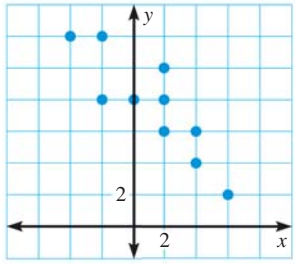
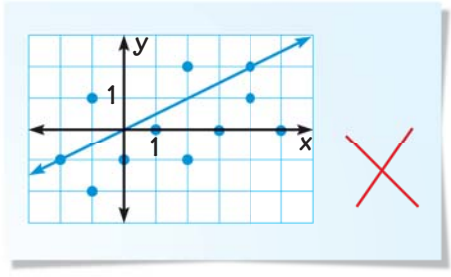
8. **TAKS REASONING** Which equation best models the data in the scatter plot?



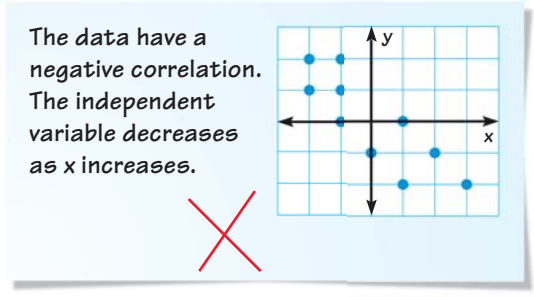
Ⓐ $y = -x - 6$ Ⓑ $y = x - 6$

Ⓒ $y = -x + 8$ Ⓓ $y = x + 8$

9. **ERROR ANALYSIS** *Describe* and correct the error in fitting the line to the data in the scatter plot.



10. **ERROR ANALYSIS** *Describe* and correct the error in describing the correlation of the data in the scatter plot.



11. **TAKS REASONING** Give an example of a data set that shows a negative correlation.

12. **TAKS REASONING** Make a scatter plot of the data. *Describe* the correlation of the data. Is it possible to fit a line to the data? If so, write an equation of the line. If not, explain why.

x	−12	−7	−4	−3	−1	2	5	6	7	9	15
y	150	50	15	10	1	5	22	37	52	90	226

MODELING DATA **Make a scatter plot of the data. *Describe* the correlation of the data. If possible, fit a line to the data and write an equation of the line.**

13.

x	10	12	15	20	30	45	60	99
y	−2	4	9	16	32	55	87	128

14.

x	−5	−3	−3	0	1	2	5	6
y	−4	12	10	−6	8	0	3	−9

15. **CHALLENGE** Which line shown is a better line of fit for the scatter plot? *Explain* your reasoning.