

MEAN ABSOLUTE DEVIATION: PART I

Find the mean absolute deviation for each set of values, rounding to the nearest tenth when necessary. Match each correct answer to a letter and complete the riddle below.

1 35, 42, 41, 32, 30	2 171, 170, 174, 173, 172
3 11, 16, 70, 66, 14, 15	4 27, 53, 42, 32, 22
5 8, 22, 1, 13, 56	6 108, 105, 107, 103, 100, 107
7 75, 85, 95, 105	8 68, 70, 64, 62
9 90, 90, 96, 90, 98, 100	10 200, 325, 50, 75

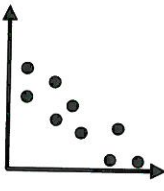
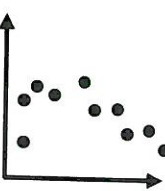
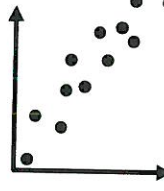
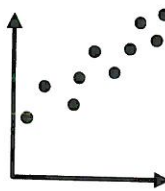
C: 15.2	E: 100	F: 5.5	B: 9.8
O: 21.2	S: 2.3	H: 1.2	U: 4.4
M: 4	N: 3	A: 10	W: 24

WHY DID THE STUDENT DISLIKE THE AVERAGE TEACHER?

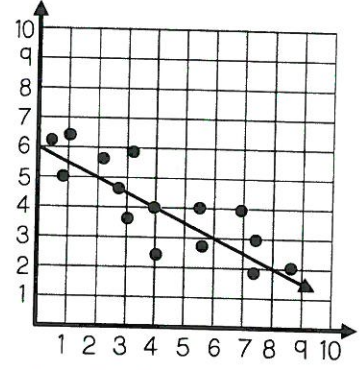
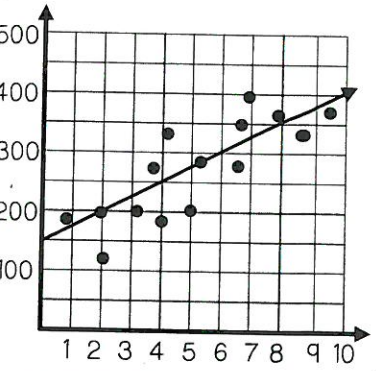
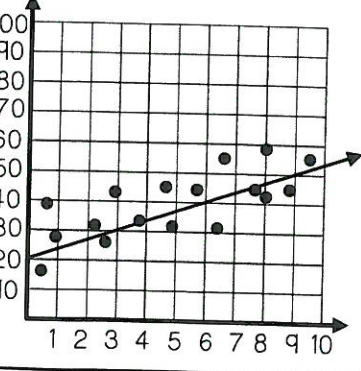
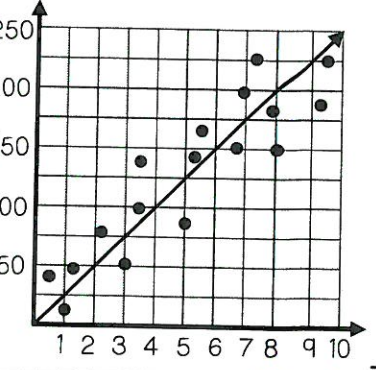
 4 10 5 7 1 6 10 6 2 10 3 7 6 9 10 7 8

SCATTER PLOTS AND TREND LINES

In 1-4, match each scatter plot to the equation that could represent the equation of its trend line.
(Not all of the choices will be used.)

<p>a. $y = 3x$</p> <p>b. $y = 4x - 2$</p> <p>c. $y = -x + 5$</p> <p>d. $y = -5x$</p> <p>e. $y = -2x - 4$</p> <p>f. $y = x + 3$</p> <p>g. The relationship is not linear.</p>	<p>1. _____</p> 	<p>2. _____</p> 
	<p>3. _____</p> 	<p>4. _____</p> 

In 5-8, write an equation of the trend line in slope-intercept form.

<p>5.</p>  <p>_____</p>	<p>6.</p>  <p>_____</p>
<p>7.</p>  <p>_____</p>	<p>8.</p>  <p>_____</p>