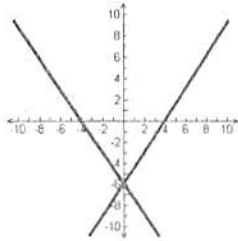


EOC Practice

1) The graphing calculator screen below shows $f(x) = -\frac{3}{2}x - 6$ and its reflection g . Which is not true of the functions?

- A) $g(x) = f(-x)$
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- C) Both f and g have the same y -intercept.
- D) Both f and g have the same slope.



2) Which function could be used to model the table:

x	$f(x)$
0	16
1	8
2	4
3	2
4	1

- A) linear
- B) quadratic
- C) exponential
- D) cubic

3) Which formula can be used to find the n th term in the sequence below?

128, 96, 72, 54, ...

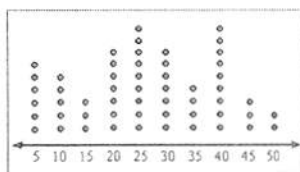
- A) $a_n = 128 \cdot \left(\frac{3}{4}\right)^{n-1}$
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- D) $a_n = 128 \cdot \left(\frac{4}{3}\right)^n$

4) The formula $a_n = 10 - 4n$ describes an arithmetic sequence. What are the first four terms in the sequence?

- A) 6, 2, -2, -6
- B) 6, 2, 0, -2
- C) 10, 6, 2, -2
- D) 14, 18, 22, 26

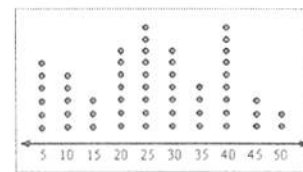
5) What is the mean of the dot plot below?

- A) 26
- B) 30
- C) 31
- D) 29

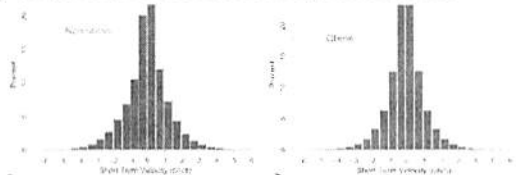


6) What is the median of the dot plot below?

- A) 25
- B) 30
- C) 35
- D) 40

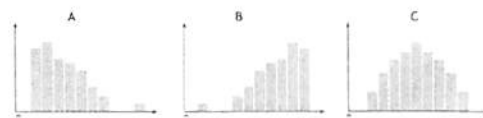


7) Which is true about the histograms below?



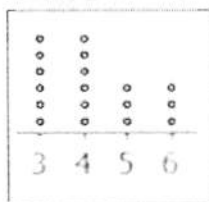
- A) The non-obese graph is bimodal.
- B) The obese graph is uniform.
- C) The non-obese graph is skewed right.
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8) Which histogram is skewed left and has a gap?



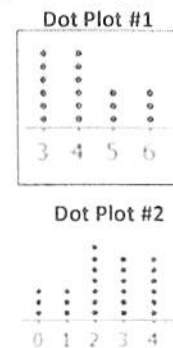
9) What is the mean absolute deviation of the dot plot if the mean is about 4.2?

- A) 0.9
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- C) 4.2
- D) 1.7

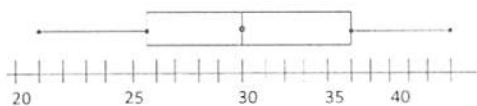


10) Which statement is true concerning the two dot plots given below?

- A) Dot Plot #1 has more variation than Dot Plot #2.
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11) The box and whisker plot below shows the quiz scores of 20 history students. Which of the following statements is NOT a correct interpretation of the box-and-whisker plot?



- A. The median quiz score was 30.
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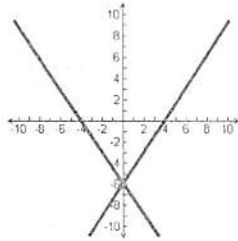
12) Given the table below, what is the value of the missing marginal frequency?

	Washington, D.C.	Williamsburg, VA	TOTAL
Boys	77	28	105
Girls	20	75	95
TOTAL	97	?	200

- A) 103
- B) 75
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- D) 95

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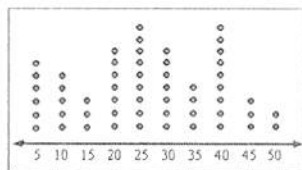
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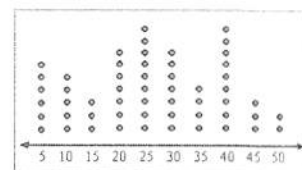
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