

- 28 Pickens County, South Carolina, has a population of 110,757, according to the 2000 Census. Its land area is 497 square miles. A reasonable estimate of the population density (persons per square mile) of Pickens County is
- A 2.2. B 22. C 220.
 D 2200. E 22,000.

28 _____

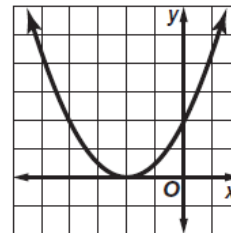
- 29 What is the slope of the graph corresponding to the function in this table?

x	-3	-2	-1	0	1	2
y	-11	-6	-1	4	9	14

- A 5 B 4 C 3
 D -4 E -5

29 _____

- 30 The related function of $0.5x^2 + 2x = -2$ is graphed at the right. Which statement best describes the solution?



- A Since the graph does not cross the x -axis, there are no real roots, and so there is no solution.
 B Since the graph crosses the y -axis at $(0, 2)$, the solutions are 0 and 2.
 C There appears to be a double root at $(-2, 0)$, so the solutions are -2 and 0.
 D There appears to be a double root at $(-2, 0)$, so the solution is -2 .
 E There appears to be a double root at $(-2, 0)$, so the solution is the set of all real numbers.

30 _____

- 31 Zoey is using a formula to determine whether the mass of the books she carries in her backpack could cause injury to her back. What unit of measure should Zoey use to find the mass of the books?

- A pounds B grams C kilograms
 D inches E centimeters

31 _____

- 32 Which is the greatest value?

- A $\left(\frac{1}{4}\right)^2$ B 0.1^4 C 4×0.1
 D -0.4^2 E -0.1^2

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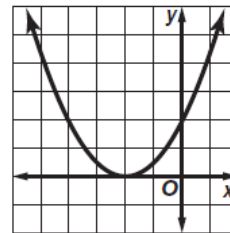
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II.B.1.

- A 5 B 4 C 3
 D -4 E -5

29 A

- 30 The related function of $0.5x^2 + 2x = -2$ is graphed at the right. Which statement best describes the solution? III.A.6.



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