

Name: _____

2004, Mathematics - Grade 10

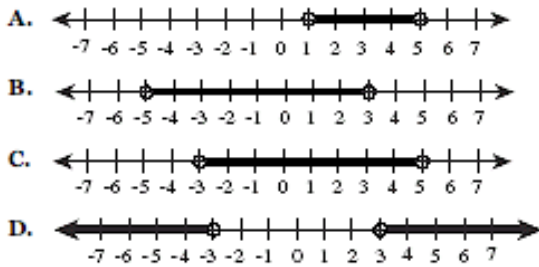
Question 28: Multiple Choice

Patterns, Relations, and Algebra



Which of the following graphs shows the solution set for the inequality shown below?

$$|x + 1| < 4$$



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Question 4: Multiple Choice

Number Sense and Operations



Which statement is **not** true?

- A. $4^3 < 70 < 5^3$
- B. $2(5^2) < 70 < 3(5^2)$
- C. $8^2 < 70 < 9^2$
- D. $3^3 < 70 < 4^3$

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Question 35: Multiple Choice

Geometry



The lengths of three sides of a triangle are 5, 9, and x , all measured in centimeters.

What are all possible values of x ?

- A. $4 < x < 14$
- B. $0 < x < 14$
- C. $5 < x < 15$
- D. $3 < x < 9$

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Question 12: Multiple Choice

Patterns, Relations, and Algebra



Solve the inequality $|x - 7| \leq 8$ for x .

- A. $0 \leq x \leq 15$
- B. $-1 \leq x \leq 15$
- C. $-1 \leq x \leq 16$
- D. $-7 \leq x \leq 8$

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Question 27: Multiple Choice

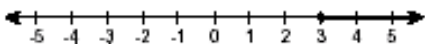
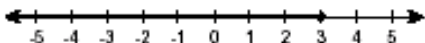
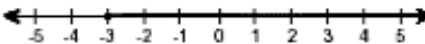
Patterns, Relations, and Algebra



Use the inequality below to answer question 27.

$$5 - x \leq 8$$

Which graph represents the solution set for the inequality?

- A. 
- B. 
- C. 
- D. 