

SAT/ACT Chapter Test

For use after Chapter 2

- The graph of $x + 2y = -5$ contains which point?

(A) $(0, 0)$ (B) $(2, -1)$
 (C) $(-2, -1)$ (D) $(-1, -2)$
- The slope of a line in the form $y = mx + b$ is

(A) y . (B) m .
 (C) x . (D) b .
- The solution of $|x + 2| = 4$ is

(A) $2, -2$. (B) $0, 2$.
 (C) $2, -4$. (D) $2, -6$.
- The inequality $-4 < x < 4$

(A) is undefined. (B) has no solution.
 (C) includes 0. (D) includes 4.
- The set of points $(1, 2)$, $(2, 3)$, $(3, 4)$, and $(2, 5)$ represents a

(A) function. (B) relation.
 (C) rectangle. (D) square.
- Write an equation of the line that has a slope of $\frac{1}{2}$ and a y -intercept of -2 .

(A) $y = -\frac{1}{2}x - 2$ (B) $y = \frac{1}{2}x + 2$
 (C) $y = \frac{1}{2}x - 2$ (D) $y = -\frac{1}{2}x + 2$

In Questions 7–10, choose the statement below that is true about the given numbers.

- (A) The number in column A is greater.
 (B) The number in column B is greater.
 (C) The two numbers are equal.
 (D) The relationship cannot be determined from the given information.

7.

Column A	Column B
$ x + 2 $	$ y + 3 $

- (A) (B) (C) (D)

8.

Column A	Column B
The slope of $y = 3x + 3$	The slope of $y = -3x + 3$

- (A) (B) (C) (D)

9.

Column A	Column B
$f(x) = 10 - x$ when $x = 11$	$f(x) = x - 10$ when $x = 11$

- (A) (B) (C) (D)

10.

Column A	Column B
The y -intercept of $x + y = -5$	The y -intercept of $x - y = -5$

- (A) (B) (C) (D)