Keystone Review – Graphing II: AV & Inequalities

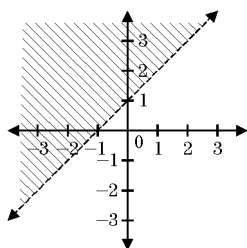**Name:** _____   **Date:** _____

1. Which point satisfies the inequality $2x + y > 10$?

   A. $(2, 3)$ B. $(3, 4)$ C. $(3, 2)$ D. $(4, 3)$

2. The accompanying diagram shows a graph of which inequality?

   A. $y < x + 1$

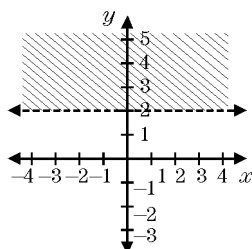   B. $y > x + 1$

   C. $y \leq x + 1$

   D. $y \geq x + 1$

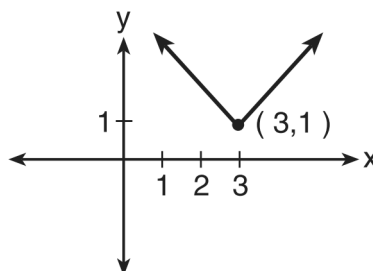3. Which ordered pair is in the solution set of $y \geq 2x + 3$?

   A. $(1, 4)$ B. $(3, 2)$ C. $(0, 5)$ D. $(0, 0)$

4. The graph of which inequality is shown in the accompanying diagram?

   A. $y > 2$ B. $x > 2$
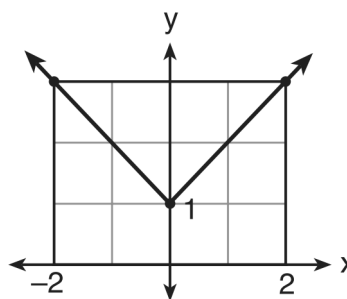
   C. $y \geq 2$ D. $x \geq 2$

5. Which equation is represented by the accompanying graph?

   A. $y = |x| - 3$ B. $y = (x - 3)^2 + 1$

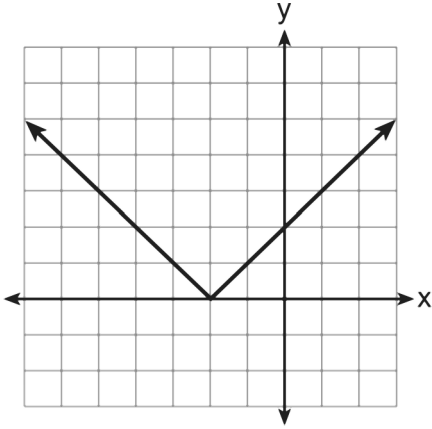   C. $y = |x + 3| - 1$ D. $y = |x - 3| + 1$

6. Which equation represents the function shown in the accompanying graph?

   A. $f(x) = |x| + 1$ B. $f(x) = |x| - 1$
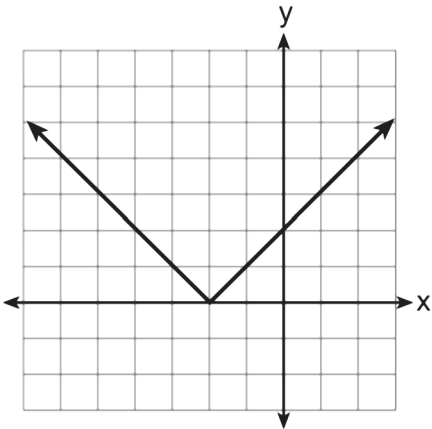
   C. $f(x) = |x + 1|$ D. $f(x) = |x - 1|$

7.   The graph of $y = |x + 2|$ is shown below.

Which graph represents $y = -|x + 2|$?

A.

B.

C.

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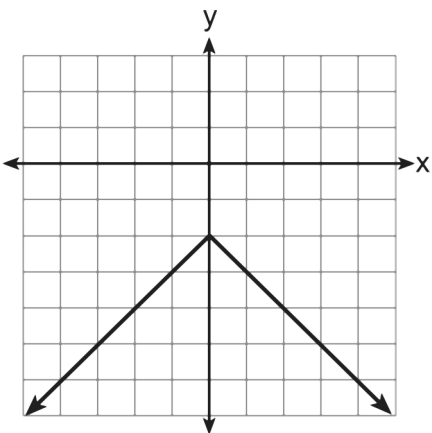
1.
Answer: D
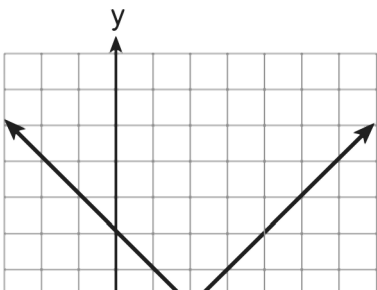
2.
Answer: B

3.
Answer: C

4.
Answer: A

5.
Answer: D

6.
Answer: A

7.
Answer: D