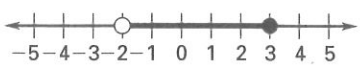

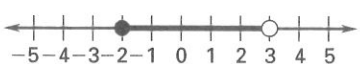
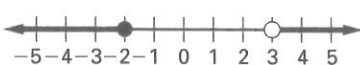


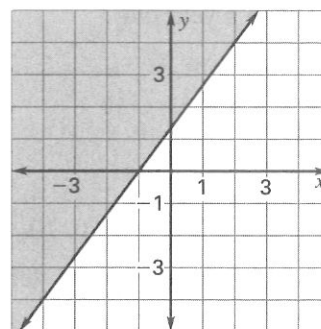
# SAT/ACT Chapter Test

For use after Chapter 6

- Which inequality is equivalent to  $-5x + 4 \leq -2x + 7$ ?  
 (A)  $x \leq 1$                       (B)  $x \geq 1$   
 (C)  $x \leq -1$                       (D)  $x \geq -1$
- You are at a used book sale. Softcovers are \$0.75 each and hardcovers are \$1.50 each. If you have \$6 to spend and you buy four softcovers, how many hardcovers can you buy?  
 (A) 0                                      (B) 1  
 (C) 2                                      (D) 3
- Which inequality represents the statement “ $x$  is less than 5 and is at least  $-5$ ?”  
 (A)  $-5 < x \leq 5$                   (B)  $-5 \leq x \leq 5$   
 (C)  $-5 < x < 5$                     (D)  $-5 \leq x < 5$
- Solve  $-23 \leq 3x - 2 < 13$ .  
 (A)  $-7 \leq x < 5$                   (B)  $-\frac{25}{3} \leq x < \frac{11}{3}$   
 (C)  $-7 < x \leq 5$                     (D)  $-\frac{25}{3} < x \leq \frac{11}{3}$
- Which graph represents the solution of  $6x - 4 \geq 14$  or  $3x + 10 < 4$ ?  
 (A) 
  
 (B) 
  
 (C) 
  
 (D) 
- Solve  $|8x + 2| - 4 = 18$ .  
 (A)  $\frac{3}{2}$  and  $-2$                       (B)  $-2$  and  $-3$   
 (C)  $-3$  and  $\frac{5}{2}$                       (D)  $-\frac{3}{2}$  and  $2$

- Which ordered pair is *not* a solution of  $5x + 4y < -12$ ?  
 (A)  $(1, -5)$                       (B)  $(-2, 4)$   
 (C)  $(-4, 0)$                       (D)  $(-3, -8)$

- Choose the inequality whose solution is shown in the graph.



- (A)  $3y - 4x \geq 4$                   (B)  $4x - 3y \geq 4$   
 (C)  $3y - 4x \leq 4$                   (D)  $4x - 3y \leq 4$

In question 9, 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.


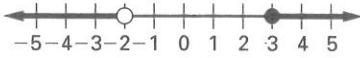
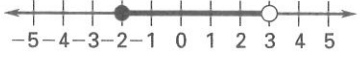
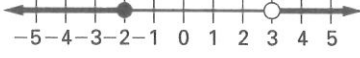
9.

Column A	Column B
mean of 28, 16, 22, 13, 26	mean of 24, 10, 24, 30, 17

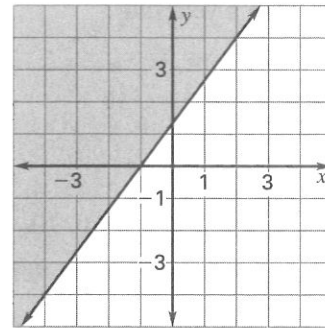
- (A)                  (B)                  (C)                  (D)

**SAT/ACT Chapter Test**

For use after Chapter 6

- Which inequality is equivalent to  $-5x + 4 \leq -2x + 7$ ?  
 (A)  $x \leq 1$                       (B)  $x \geq 1$   
 (C)  $x \leq -1$                       (D)  $x \geq -1$
- You are at a used book sale. Softcovers are \$0.75 each and hardcovers are \$1.50 each. If you have \$6 to spend and you buy four softcovers, how many hardcovers can you buy?  
 (A) 0                                      (B) 1  
 (C) 2                                      (D) 3
- Which inequality represents the statement “ $x$  is less than 5 and is at least  $-5$ ?”  
 (A)  $-5 < x \leq 5$                   (B)  $-5 \leq x \leq 5$   
 (C)  $-5 < x < 5$                     (D)  $-5 \leq x < 5$
- Solve  $-23 \leq 3x - 2 < 13$ .  
 (A)  $-7 \leq x < 5$                   (B)  $-\frac{25}{3} \leq x < \frac{11}{3}$   
 (C)  $-7 < x \leq 5$                     (D)  $-\frac{25}{3} < x \leq \frac{11}{3}$
- Which graph represents the solution of  $6x - 4 \geq 14$  or  $3x + 10 < 4$ ?  
 (A) 
  
 (B) 
  
 (C) 
  
 (D) 
- Solve  $|8x + 2| - 4 = 18$ .  
 (A)  $\frac{3}{2}$  and  $-2$                       (B)  $-2$  and  $-3$   
 (C)  $-3$  and  $\frac{5}{2}$                         (D)  $-\frac{3}{2}$  and  $2$

- Which ordered pair is *not* a solution of  $5x + 4y < -12$ ?  
 (A)  $(1, -5)$                       (B)  $(-2, 4)$   
 (C)  $(-4, 0)$                         (D)  $(-3, -8)$
- Choose the inequality whose solution is shown in the graph.



- (A)  $3y - 4x \geq 4$                   (B)  $4x - 3y \geq 4$   
 (C)  $3y - 4x \leq 4$                   (D)  $4x - 3y \leq 4$

In question 9, 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.

9.

Column A	Column B
mean of 28, 16, 22, 13, 26	mean of 24, 10, 24, 30, 17

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