LESSON 2.8E

NAME _____ DATE _____

Standardized Test Practice

TEST TAKING STRATEGY **Work as fast as you can through the easier problems, but not so fast that you are careless.**

1. ***Multiple Choice*** Which numbers are solutions to the absolute-value equation $|x + 2| - 3 = 8$?

(A) 6 and -10 (B) 9 and -13

(C) 9 and -9 (D) -9 and -13

(E) 3 and -7

2. ***Multiple Choice*** Which numbers are solutions to the absolute-value equation $12 + |3x - 1| = 19$?

(A) 2 and -2 (B) $\frac{8}{3}$ and $-\frac{8}{3}$

(C) $\frac{32}{3}$ and -10 (D) $\frac{8}{3}$ and -2

(E) 10 and -10

3. ***Multiple Choice*** Which numbers are solutions to the absolute-value equation $|1 - x| = 2$?

(A) -1 and 2 (B) -2 and 2

(C) -1 and -2 (D) -1 and 3

(E) None of these

4. ***Multiple Choice*** Which numbers are solutions to the absolute-value equation $7 + |x - 6| = 3$?

(A) -2 and -10 (B) -2 and 10

(C) 2 and 10 (D) 2 and -10

(E) None of these

5. ***Multiple Choice*** Which numbers are solutions to the absolute-value equation $\left|\frac{x}{4}\right| = 0$?

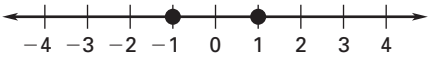
(A) 0 (B) 4

(C) 0 and 4 (D) 4 and -4

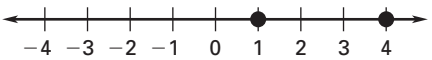
(E) None of these

6. ***Multiple Choice*** Which graph represents the solution of $|2x - 5| = 3$?

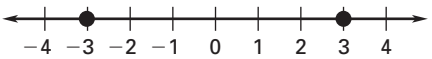
(A)



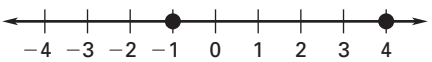
(B)



(C)



(D)



(E) None of these

(A)

(B)

(C)

(D)

LESSON 2.8F

NAME _____ DATE _____

Standardized Test Practice

TEST TAKING STRATEGY **Work as fast as you can through the easier problems, but not so fast that you are careless.**

1. ***Multiple Choice*** Which number is a solution to the absolute-value inequality $|6x - 7| < 2$?

(A) $\frac{2}{3}$ (B) 0.5

(C) -1 (D) 1.23

(E) None of these

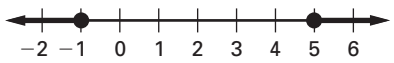
2. ***Multiple Choice*** Which number is a solution to the absolute-value inequality $|x + 1| \leq 1$?

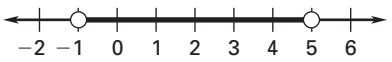
(A) -1 (B) -3

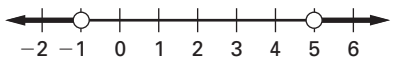
(C) 0 (D) 1

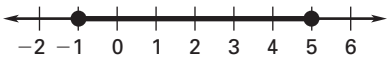
(E) None of these

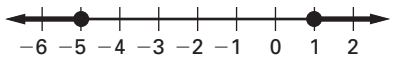
3. ***Multiple Choice*** Which graph represents the solution of $|3x - 6| \geq 9$?

(A) 

(B) 

(C) 

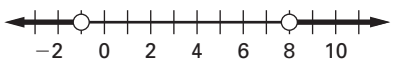
(D) 

(E) 

4. ***Multiple Choice*** Which graph represents the solution of $|2x - 7| + 3 < 12$?

(A) 

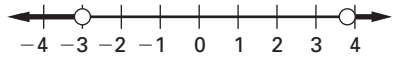
(B) 

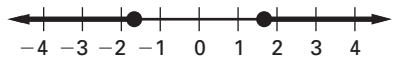
(C) 

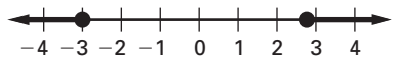
(D) 

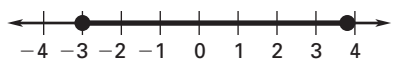
(E) 

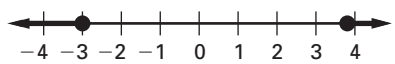
5. ***Multiple Choice*** Which graph represents the solution of $|5x - 2| - 8 \geq 9$?

(A) 

(B) 

(C) 

(D) 

(E) 

6. ***Multiple Choice*** Your soccer team averages between 3 and 9 goals per game. Choose the absolute-value inequality describing the average number of goals per game.

(A) $|x - 3| \leq 9$ (B) $|x - 6| \leq 9$

(C) $|x - 6| \leq 3$ (D) $|x - 3| \leq 3$

(E) $|x + 3| \leq 6$