## Green: Solving Inequalities

Name

- 1. (a) Which of the following is a solution to the inequality: -2x + 5 > 11

- (1) 4 (2) 0 (3) -3 (4) -5
- (b) Which of the following is **NOT** a solution to the inequality:  $-\frac{x}{7} \ge -3$

- (1) 21 (2) 20 (3) -21 (4) 24

Name\_

- 2. (a) Which of the following is **NOT** a solution to the inequality:  $-7x + 9 \le -19$ 
  - (1) -4 (2) 4 (3) 5 (4) 6

- (b) Which of the following is a solution to the inequality:  $-\frac{x}{2} > 5$
- (2)10
- (2) -10 (3) -15 (4) 15

Name\_

- 3. (a) Which of the following is a solution to the inequality: -4x + 3 < -1
  - (1) -1 (2) 1 (3) -2 (4) 2

- $-\frac{x}{6} \leq 1$ (b) Which of the following is  ${\bf NOT}$  a solution to the inequality:

- (1) -6 (2) 20 (3) 35 (4) -24

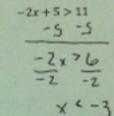
- 4. (a) Which of the following is **NOT** a solution to the inequality:  $-x + 6 \le 3$ 
  - (2) 3

- (2) -3 (3) 4 (4) 25
- (b) Which of the following is **NOT** a solution to the inequality:  $-\frac{x}{8} > -5$
- (2) 38 (2) 39 (3) -40 (4) 41

## **Green: Solving Inequalities**

Name\_\_\_Key

1. (a) Which of the following is a solution to the inequality:



(1) 4

(2) 0 (3) -3

(4) -5

(b) Which of the following is **NOT** a solution to the inequality: -7,  $-\frac{x}{7} \ge -3 \cdot -7$ 

- (1) 21
- (2) 20 (3) -21
- (4) 24

X 4 ZI

Name Key

2. (a) Which of the following is **NOT** a solution to the inequality:

(2) 4 (3) 5 (4) 6

X > 4

(b) Which of the following is a solution to the inequality:  $-2 \cdot -\frac{x}{2} > 5 \cdot -2$ 

10

(2) -10

(3) -15

Name Key

- 3. (a) Which of the following is a solution to the inequality:
- $\begin{array}{rrr}
  -4x + 3 < -1 \\
  -3 & -3 \\
  \hline
  -4x & -4
  \end{array}$

- (1) -1 (2) 1 (3) -2
- (4) 2

- x>1
- (b) Which of the following is **NOT** a solution to the inequality:  $-6 \cdot -\frac{x}{6} \le 1 \cdot -6$ 
  - (1) -6
- (2) 20 (3) 35
- (4) -24
- x>,-6

Name Key

4. (a) Which of the following is NOT a solution to the inequality:

- (3) 4 (4) 25

x 7, 3

- (b) Which of the following is **NOT** a solution to the inequality:  $-8 \cdot -\frac{x}{8} > -5 \cdot -8$ 
  - (2) 38
- (2) 39
- (3) -40
- (4) 41

X4 40