

Chapter 7 Completed Graphic Organizer

Name _____

Date _____

Inverse Operations

Examples	Non-Examples
addition and subtraction	addition and multiplication
multiplication and division	addition and division
	subtraction and multiplication
	subtraction and division

2. Equations Solved Using Addition or Subtraction

Examples	Non-Examples
$y + 9 = 12$	$2a = 16$
$a - 11 = 3 - 2$	$0.4b = 4$
$10 = x - 19$	$\frac{3}{4}y = 6$
$25 = r + 14$	$\frac{y}{6} = 0$

Equations Solved Using Multiplication or Division

Examples	Non-Examples
$2a = 16$	$x - 1 = 5$
$\frac{y}{4} = 6$	$y + 9 = 12$
$0.4b = 4$	$a - 11 = 3 - 2$
$\frac{6}{7} = \frac{x}{14}$	$10 = x - 19$

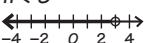
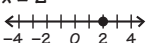
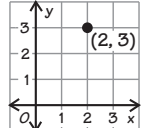
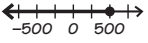
4. Equations in Two Variables

Examples	Non-Examples
$y = 5x$	$12x = 3$
$y = 7 - x$	$\frac{y}{4} = 6$
$C = 50 + 3w$	$x - 1 = 5$
$d = 25t$	$a + 11 = 30$
$y = 4x - 3$	$0.4b = 4$

Inequalities

Examples	Non-Examples
$x - 5 \geq 8$	$6y = 12$
$4 + 13 < n + 2$	$x + 9 = 17$
$r > -\frac{3}{4}$	$a = 5$
$0 \leq k$	$10 = c - 1$

6. Graphs of Inequalities

Examples	Non-Examples
$n < 3$ 	$x = 2$ 
$-\frac{2}{3} \leq x$ 	
$C \leq 500$ 	

Inequalities Solved Using Addition or Subtraction

Examples	Non-Examples
$x + 3 < 9$	$x + 5 = 7$
$8 \geq n - 5$	$8x > 16$
$a - 11 > 3 - 2$	$0.4b \leq 4$
$m + \frac{1}{4} \leq \frac{1}{2}$	$\frac{n}{3} > 4$

8. Inequalities Solved Using Multiplication or Division

Examples	Non-Examples
$5a < 15$	$4a = 12$
$\frac{y}{4} \geq 6$	$\frac{x}{3} = 7$
$0.4b > 4$	$n - 7 > 10$
$\frac{6}{7} \leq \frac{x}{14}$	$12 \geq y + 9$