Solution Sets

Home Link 6-2

NAME DATE TIME

(1) The solution set is {all numbers less than 7}.
Circle inequalities with this solution set.

SRB 210-211

$j > 4$ $7 < j$ $7 > j$ $j < 7$

(2) **a.** The solution set is {all numbers greater than 10}.
Circle inequalities with this solution set.

$m + 10 < 11$ $11 < m + 1$ $6 > 5 + m$ $6 > 5m$

b. Explain how you found your answer for Problem 2a.

_____

_____

(3) Record the solution sets for the equations below.

a. $3x = 45$ Solution set: _____

b. $x + 138 = 204$ Solution set: _____

(4) Write the letter of the solution set that matches each number sentence.

$x \div 4 = 8$	_____	**A.** {All numbers}
$\frac{4}{x} = 8$	_____	**B.** {0}
$10 - x = 7$	_____	**C.** { }
$3x + x = 16$	_____	**D.** $\left\{\frac{1}{2}\right\}$
$5x = 0$	_____	**E.** $\left\{-\frac{1}{2}, \frac{1}{2}\right\}$
$12 * x = x * 12$	_____	**F.** {3}
$0.5 = \lvert x \rvert$	_____	**G.** {32}
$x - 5 = x$	_____	**H.** {4}

Practice

Divide.

(5) $8.8 \div 2 =$ _____

(6) $0.95 \div 5 =$ _____

(7) $98 \div 0.2 =$ _____

(8) $198 \div 0.2 =$ _____