Introduction to Inequalities Homework
Topic 4 Homework

Name _____

Period _____

Write the appropriate Inequality Symbol in the box. (Use only < >)

1) 8 _____ 8.5

2) -4 _____ 2

3) 702 _____ 712

4) The score after 2 goals is ☐ the score after 3 goals.

5) The cost to download 10 songs is ☐ the cost to download 2 songs.

6) The outside temperature in summer is ☐ the outside temperature in winter.

7) The height of a 1st grader is ☐ the height of a 6th grade student.

8) The time to eat lunch is ☐ the time to brush your teeth.

Write the Inequality if necessary and Write 3 Values that are in the Solution Set.

9) $x \geq 9$	10) $x < 20$	11) $10 \leq x$
12) x is greater than 4	13) x is less than or equal to than 4	14) 12 is greater than x
15) $f + 6 > 9$	16) $3p \geq 18$	17) $0 \leq b - 7$

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1) 8 ___<___ 8.5   2) −4 ___<___ 2   3) .702 ___<___ 712

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8) The time to eat lunch is [>] the time to brush your teeth.

Write the Inequality if necessary and Write 3 Values that are in the Solution Set.

9) $x \geq 9$	10) $x < 20$	11) $10 \leq x$
$\{9, 20, 55\}$	$\{-3, 0, 19\}$	$\{10, 14, 705\}$
12) x is greater than 4	13) x is less than or equal to than 4	14) 12 is greater than x
$X > 4$	$X \leq 4$	$12 > X$
$\{5, 7, 12\}$	$\{4, 3, 0\}$	$\{11, 10, 9\}$
15) $f + 6 > 9$	16) $3p \geq 18$	17) $0 \leq b - 7$
$f > 3$	$p \geq 6$	$7 \leq b$
$\{5, 7, 9\}$	$\{10, 100, 1000\}$	$\{10, 20, 30\}$