

**HOMEWORK – SECTION 2.12
WKSHT 2**

Name _____
Date _____ Period _____

Translating Word Sentences: Inequalities

Common Words and Phrases that Indicate Inequalities			
$>$	$<$	\geq	\leq
<ul style="list-style-type: none">• greater than• more than• exceeds• is higher than	<ul style="list-style-type: none">• less than• fewer than• is under	<ul style="list-style-type: none">• greater than or equal to• no less than• at least	<ul style="list-style-type: none">• less than or equal to• no more than• at most

Write an inequality and solve using inverse operations.

1. The product of four and a number is less than or equal to 28.

4. Eight divided into a number exceeds 6.

2. Six multiplied by a number is greater than or equal to -36.

5. A number divided by seven is more than 78.

3. A number divided by twelve minus 8 is less than four.

6. A number multiplied by 5 and then decreased by 4 is no less than 42.

7. Seventy-five more than two times a number is at most -105.

10. Fifteen less than $\frac{1}{3}$ of a number is no more than -6.

8. 23 increased by three times a number is no more than 45.

11. -6 more than the product of a number and 4 exceeds 51.

9. If eleven is subtracted from a number, the result is less than 28.

12. 19 more than the quotient of a number and 5 is at least 21.
