

Name : _____

Translating Linear Inequalities

TES3

Translate each verbal phrase into an inequality.

1) 10 subtracted from three times x is greater than 11. _____

2) The sum of nine times x and two is at most 5. _____

3) Eight added to 2 _____

4) 3 subtracted from _____

5) Twice the sum of _____

6) Fourteen increased by _____

7) One added to five _____

8) Two times the difference between x and 4 is less than 13. _____

9) Thrice the sum of x and 1 is not less than 16. _____

10) Seven times the sum of x and 12 is not greater than 15. _____

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Answer Key

Translating Linear Inequalities

TES3

Translate each verbal phrase into an inequality.

1)	10 subtracted from three times x is greater than 11.	$3x - 10 > 11$
2)	The sum of nine times x and two is at most 5.	$9x + 2 \leq 5$
3)	Eight added to 2	$2x + 8 \geq 6$
4)	3 subtracted from	$4x - 3 < 12$
5)	Twice the sum of	$2(9 + x) > 20$
6)	Fourteen increased	$3x + 14 \leq 7$
7)	One added to five	$5x + 1 \geq 8$
8)	Two times the difference between x and 4 is less than 13.	$2(x - 4) < 13$
9)	Thrice the sum of x and 1 is not less than 16.	$3(x + 1) \geq 16$
10)	Seven times the sum of x and 12 is not greater than 15.	$7(x + 12) \leq 15$

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