

Name : \_\_\_\_\_

## Translating Linear Inequalities

TMS5

Translate each verbal phrase into an inequality.

1) Eight is greater than or equal to three added to four-sevenths of  $x$  \_\_\_\_\_

2) Five-ninths of  $x$  added to seven is less than six \_\_\_\_\_

3) The quotient of 3 from four times of \_\_\_\_\_

4) Product of  $x$  and 1 at most 16 \_\_\_\_\_

5) Nine added to six \_\_\_\_\_

6) Eight subtracted from \_\_\_\_\_

7) Ten-thirds added \_\_\_\_\_

8) Five greater than or equal to 11 subtracted from eight-ninths of  $x$  \_\_\_\_\_

9) Seven-thirds added to product of  $x$  and 6 is less than or equal to 4 \_\_\_\_\_

10) Product of  $x$  and half of nine plus seven is at least 10 \_\_\_\_\_

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## Answer Key

### Translating Linear Inequalities

TMS5

Translate each verbal phrase into an inequality.

1)	Eight is greater than or equal to three added to four-sevenths of x	$8 \geq 3 + \frac{4}{7}x$
2)	Five-ninths of x added to seven is less than six	$\frac{5}{9}x + 7 < 6$
3)	The quotient of 3 from four times of	$\frac{3}{8} > 4x - 2$
4)	Product of x and 10 is at most 16	$\frac{1}{7} - 10x \leq 16$
5)	Nine added to six times of x is less than 13	$9 + \frac{6}{5}x < 13$
6)	Eight subtracted from x is less than or equal to 6	$(x + 2) - 8 \leq 6$
7)	Ten-thirds added to x is greater than 1	$\frac{10}{3} + 14x > 1$
8)	Five greater than or equal to 11 subtracted from eight-ninths of x	$5 \geq \frac{8}{9}x - 11$
9)	Seven-thirds added to product of x and 6 is less than or equal to 4	$\frac{7}{3} + 6x \leq 4$
10)	Product of x and half of nine plus seven is at least 10	$\frac{9}{2}x + 7 \geq 10$

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