

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

## Translating Linear Inequalities

OS3

Translate each verbal phrase into an inequality.

1)	The product of $x$ and 3 is greater than 15	_____
2)	$x$ reduced by 5 is at most 2	_____
3)	The quotient of $x$ and 3 is at least 10	_____
4)	6 more than $x$ is at most 10	_____
5)	$x$ diminished by 2 is at least 10	_____
6)	The ratio of $x$ to 3 is at least 10	_____
7)	$x$ multiplied by 2 is at least 10	_____
8)	4 subtracted from $x$ is at least 13	_____
9)	A total of one and $x$ is less than 5	_____
10)	The difference between $x$ and 7 is greater than 12	_____

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## Answer Key

### Translating Linear Inequalities

OS3

Translate each verbal phrase into an inequality.

1)	The product of x and 3 is greater than 15	$3x > 15$
2)	x reduced by 5 is at most 2	$x - 5 \leq 2$
3)	The quotient of x and 8 is at least 6	$\frac{x}{8} \geq 6$
4)	6 more than x is less than 4	$x + 6 < 4$
5)	x diminished by 9 is greater than 20	$x - 9 > 20$
6)	The ratio of x to 5 is less than 7	$\frac{x}{5} < 7$
7)	x multiplied by 2 is greater than 16	$2x > 16$
8)	4 subtracted from x is at least 13	$x - 4 \geq 13$
9)	A total of one and x is less than 5	$1 + x < 5$
10)	The difference between x and 7 is greater than 12	$x - 7 > 12$

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