GRADE 9 MATHEMATICS

LIVE WORKSHEET • MULTI-STEP INEQUALITIES

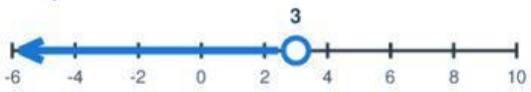
Name: _____ **Class:** _____ **Date:** _____

Instructions Solve each inequality. Then match each question to the correct number-line graph (A–E). Open circles mean the endpoint is not included; closed circles mean it is included.

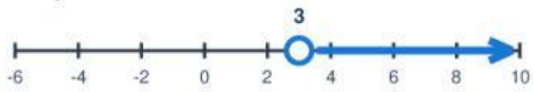
1	$3x + 5 > 14$	My solution:
2	$2(x - 3) \leq 8$	My solution: _____
3	$5x - 4 \geq 2x + 8$	My solution: _____
4	$3(x + 2) - 4 < 11$	My solution: _____
5	$4 - 2x \leq 10$	My solution: _____

Match each solution to a graph. Write A, B, C, D, or E in the answer column.

Graph A



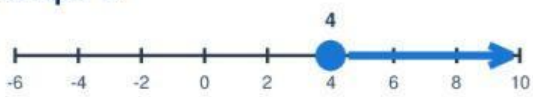
Graph B



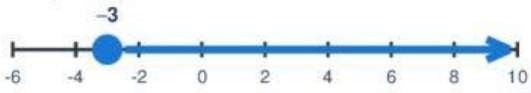
Graph C



Graph D



Graph E



Question	1	2	3	4	5
Graph letter	_____	_____	_____	_____	_____

Check your work: Did you reverse the inequality sign when multiplying or dividing by a negative number?

LIVEWORKSHEETS