Solve Two-Step Inequalities — Student practice

Name: _____ Class: _____

Directions: Solve each inequality. Show your steps and graph or describe its solution set.

Question 1

Solve $2x + 7 > 19$.

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Question 2

Solve $-3y + 4 \leq 16$.

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Question 3

Solve $x/5 - 2 \geq 1$.

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Question 4

Solve $1.5p + 6 < 18$.

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Question 5

Solve $-2.5t - 1 \geq 9$.

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Group reasoning

A workshop needs to collect at least $28. It already has an $8 donation and receives $4 for each attendee. How many attendees are needed?

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Additional practice — if time allows

Solve (1/2)x – 1 < 3, then show the graph.

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Exit ticket — work independently

Solve –4x + 7 < –9 and graph.

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Confidence check

☐ I can explain my reasoning.

☐ I need another example.