

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

**WS 3E.1 - Solving Simple Inequalities**

#1-10, Solve each inequality and graph the solution set on a number line.

1.  $5 + \frac{1}{3}y > 4$

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2.  $5y + 7 - 7y < 13$

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3.  $1 + a \leq 3 - 2a$

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4.  $5z - 2(z - 15) \leq 10$

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5.  $4(3m - 1) > 2(m + 3)$

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6.  $2(24 - w) - 1 \leq 17 - 2w$

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7.  $\frac{1}{2} - \frac{1}{3}x < \frac{3}{8} + \frac{1}{6}x$

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8.  $4 + 2(3 - 2n) \geq 4(2n - 5) - 6n$

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9.  $6 - [2 - 5(7r - 9)] > r - (-r + 8)$

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10.  $8q - (3 - q) \leq -\{-[-(3 - 9q)]\}$

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