

## Linear Inequalities

1) Solve the inequality  $3m + 3 > 9$

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2) Solve the inequality  $\frac{1}{3}(2x - 1) < 5$

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3) X and Y are two positive numbers such that  $X > 2Y$ . Which of the following statements is not true.

a)  $-X < -2Y$ , b)  $-X > 2Y$ , c)  $-X < 2Y$

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4) Solve the inequality  $(y - 3) < \frac{y}{3}$

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5) Solve the inequality  $3x - 8 \geq 5x$

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