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2. Consider the inequality $4 \leq 1 + 2x - 5$. Use the addition or subtraction property of inequality to solve for x . Express the solution in set notation and graphically on a number line. $-A + < + + (7A - 8) - A + < - - + 7A - A + / - / < - - - / + 7A - A < - + 7 + 7A - A - 7A < - + 7 + 7A - 7A$ $7 < - + 7$

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Find two factors whose product is the first term of the inequality. To factor the inequality, you need to find two binomials whose product equals the standard form of the inequality. A binomial is a two-termed expression. To do this, you need to complete the FOIL method in reverse.

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From the given inequality, we have that $2 > (x - 4) - 2 < x - 4 < 2$.

Add 4 throughout the inequality: $-2 + 4 < x - 4 + 4 < 2 + 4$. $2 < x$

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