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| **Fill in the Blanks** | **Solving Systems of Inequalities** |

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| **First Inequality** | **Solution to 1st Inequality** | **2nd Inequality** | **Solution to 2nd Inequality** | **Combined Solution** |
| $$2x-1\geq 4x+3$$ |  | $$3(7+x)>6$$ |  | $$-5<x\leq -2$$ |
| $$\frac{3+2x}{4}<3$$ |  | $$5x-2<5+x$$ |  |  |
| $$3(x-3)>2x-11$$ |  | $$5-x\leq 7-4x$$ |  |  |
| $$7\left(2x+1\right)>4x-3$$ |  | $$x^{2}-2x-8\leq 0$$ |  |  |
| $$x^{2}-7x+10<0$$ |  | $$6\left(1-x\right)\leq 0$$ |  |  |
| $$\frac{5x+1}{8}>2$$ |  | $$2x^{2}-9x\geq 5$$ |  |  |
| $$2(2-3x^{2})\geq 5x$$ |  | $$12-5x<9-2x$$ |  |  |
| $$2x^{2}<50$$ |  | $$5x(x-6)\leq 8x-21$$ |  |  |