

a Solve $\frac{x+4}{3} \geq 2$ $x \geq 2$ a fraction: multiply both sides	b Solve $3(2-x) > 12$ $x < -2$ a bracket with $-x$	c Solve $2 \leq 5-x < 7$ $-2 < x \leq 3$ a double inequality with $-x$	d List the integers that satisfy $2x+1 > 3$ and $3x-2 \leq 10$ $2, 3, 4$ integers that fit two inequalities
e Find the largest integer n such that $7n-3 < 4n+15$ 5 the largest integer: a strict sign	f Does the point $(2, 3)$ satisfy $y > 2x-1$? <i>no</i> <i>3 is not more than 3</i> a point on a strict boundary	g Write an inequality for the points above the line $y=3-x$, and on it $y \geq 3-x$ a region above a line	h Solve $x^2+2x-8 > 0$ $x < -4$ or $x > 2$ outside the roots: two parts
i Solve $x^2 \leq 4x$ $0 \leq x \leq 4$ do not divide by x	j Solve $2x^2-x-3 < 0$ $-1 < x < \frac{3}{2}$ a quadratic with $2x^2$	k Solve $x^2+x-12 > 0$. Give your answer in set notation. $\{x : x < -4\} \cup \{x : x > 3\}$ two parts in set notation	l List the integers that satisfy $x^2 < 10$ and $2x+3 > 0$ $-1, 0, 1, 2, 3$ a quadratic and a linear together

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