Algebra I Connect 4

	1	2	3	4	5	6
1	Simplify $3x^{-5}$	Solve the system x+6y=-9 x-3y=6	Solve $4x^2 + 4x = -1$	Simplify $2x-3^{2}$	Write the equation of a vertical line passing through -2, 6	Solve $23 = 5 - \frac{2x}{3}$
2	Solve $7x + 18 > 45 - 2x$	What is the equation of the line that passes through (-2, 0) and has a slope of 4?	Multiply $2+\sqrt{5}$ $3-\sqrt{5}$	Solve $6 = 3x^2 - 7x$	Solve -4 2w-1 ≤12	Factor $3x^3 + 24x^2 - 27x$
3	Write the equation of the line that is perpendicular to the line $x=9$ and passes through the point 7, -15	Simplify $2y^0$	Solve $\frac{2}{5}y = 8$	Multiply $-2a -4a^2b^3c^2 -5a^4b^3c^{6^2}$	Factor $8x^2 - 24x + 18$	Find the slope of the line that passes through (-4, -3) and (-4, 5).
4	Factor $6x^2 - 2x - 20$	Multiply $x+2$ x^2-3x+4	What is the equation of the line that passes through the points (1, 8) and (-2, -7)?	Solve -3 x-11 +15≥9	What is the relationship between line a and line b? line $a \ 2x + y = -4$ line $b \ -2x + 4y = -2$	Solve $x^2 + 8x - 5 = 0$
5	Solve $4 \ 2x - 9 = 3x + 4$	Factor $-y^2 + y + 6$	Solve $3 x - 8 - 3x = -24$	Simplify $\frac{-2^{6} \bullet 2^{8}}{2^{3}}$	Solve -18=8x- 33-2x	Write the equation of the line in point-slope form that is parallel to $y = 3x - 2$ and contains the point (-4, 10).
6	Find the slope and y-intercept for the line $2x + 6y = 9$.	Factor $60m^2 - 15n^2$	Factor $3x^2 - 11x - 4$	Subtract $8x-2x^2+7x^3 - x^3-2x^2+3x$	Find the slope of the line whose y-intercept is (0, 8) and x-intercept is (-6, 0)	Factor $4x^5 - 256x^3$