Name: _____ Date: _____ Score: _____

Pairs Check: Systems of Equations

Instructions: Partner 1 will do the problem in the left column while Partner 2 coaches. Then, Partner 2 will do the problem in the right column while partner 1 coaches. When you reach a STOP POINT, raise your hand to get a teachers signature.

Partner A: _____	**Partner B:** _____
1. $y = -3x + 2$ $x - y = 2$ Don't do it Partner B Initials: _____	1. $y = x - 4$ $2x + y = 5$ $y = 3 - 4$ $y = -1$ $(3, -1)$ $2x + x - 4 = 5$ $3x - 4 = 5$ $+4 \quad +4$ $\frac{3x}{3} = \frac{9}{3}$ $x = 3$ Partner A Initials: _____
2. $3y + 4x = 16$ $-2x + y = 2$ $+2x \quad +2x$ $y = 2x + 2$ $3(2x + 2)$ $6x + 6 + 4x = 16$ $10x + 6 = 16$ $-6 \quad -6$ $10x = 10$ $x = 1$ $-2(1) + y = 2$ $-2 + y = 2$ $+2 \quad +2$ $y = 4$ $(1, 4)$ Partner B Initials: _____	2. $x + 2y = 2$ $2x + y = 7$ $x = -2y + 2$ $2(-2y + 2) + y = 7$ $-4y + 4 + y = 7$ $-3y + 4 = 7$ $-4 \quad -4$ $\frac{-3y}{-3} = \frac{3}{-3}$ $y = -1$ $x + 2(-1) = 2$ $x - 2 = 2$ $+2 \quad +2$ $x = 4$ $(4, -1)$ Partner A Initials: _____
STOP HERE - RAISE YOUR HAND - GET TEACHER CHECK	
3. $2 = 2y - x$ $23 = 5y - 4x$ $-x = -2y + 2$ $x = 2y - 2$ $(12, -5)$ $23 = 5y - 4(2y - 2)$ $23 = 5y - 8y + 8$ $23 = -3y + 8$ $-8 \quad -8$ $15 = -3y$ $\frac{15}{-3} = \frac{-3y}{-3}$ $-5 = y$ $2 = 2(-5) - x$ $2 = -10 - x$ $+10 \quad +10$ $12 = -x$ $x = 12$ Partner B Initials: _____	3. $y = 8 - x$ $7 = 2 - y$ $7 = 2 - 8 - x$ $7 = -6 - x$ $+6 \quad +6$ $13 = x$ $y = 8 - 13$ $y = -5$ $(13, -5)$ Partner A Initials: _____
4. $x = -2y + 4$ $2x + 4y = 8$ $2(-2y + 4) + 4y = 8$ $-4y + 8 + 4y = 8$ $8 = 8$ infinite solutions Partner B Initials: _____	4. $y = 3x - 11$ $y - 3x = -13$ $3x - 11 - 3x = -13$ $-11 \neq -13$ NO solutions Partner A Initials: _____
STOP HERE - RAISE YOUR HAND - GET TEACHER CHECK	