Honors Algebra 2 Name: _____

Circuit Training: Clear the Fractions Date: _____

STEP ONE: You MUST clear the FRACTIONS first!! Find the LCD and multiply EVERY term by the LCD. Find the correct equation to find the next problem. Continue until you have rewritten all the equations without fractions. If you cannot find your equation, make sure you worked it correctly. When you have finished finding the equations, solve for x. All answers are in simplest form. SHOW ALL OF YOUR WORK (use another sheet of paper if needed).

Answer: $254 = 45x + 234 - 30x$ #1 $-\frac{20}{3} = \frac{4}{3}x - \frac{2}{5} - 1\frac{3}{5}$	Answer: $-100 = 20x - 6 - 24$ #_____ $\frac{5}{4}x + \frac{5}{3}x = \frac{35}{16}$
Answer: $-107 + 96x = -20x + 96$ # _____ $-\frac{4}{3}n + \frac{11}{4}n = \frac{85}{48}$	Answer: $-118x = -100 - 65x$ # _____ $x + \frac{7}{3}x = \frac{20}{3}$
Answer: $40x - 294 = -60x + 41$ # _____ $\frac{127}{45} = \frac{1}{2}n + \frac{13}{5} - \frac{1}{3}n$	Answer: $-64x + 132x = 85$ # _____ $\frac{7}{5}x + \frac{7}{3}x = 4 + 2x$
Answer: $-2x - 4x + 78 = 4x + 8$ # _____ $n - \frac{28}{5} - \frac{7}{4} = -\frac{151}{40} - \frac{3}{2}n + \frac{9}{5} + 3$	Answer: $21x + 35x = 4 + 2x$ # _____ $-\frac{1}{4}k - \frac{1}{2}k + \frac{78}{8} = \frac{1}{2}k + 1$
Answer: $60x + 80x = 105$ # _____ $-\frac{14}{5}x - 9x = -10 - \frac{13}{2}x$	Answer: $3x + 7x = 20$ # _____ $-\frac{53}{15} + r + \frac{7}{4} + \frac{3}{5}r = -\frac{1}{3}r + \frac{8}{5}$

ANSWERS randomly placed in a table

$\frac{4}{3}$	$-\frac{7}{2}$	$\frac{7}{4}$	$\frac{100}{53}$	$\frac{67}{20}$
$\frac{5}{4}$	$\frac{30}{13}$	7	$\frac{3}{4}$	2