Distributive Property Puzzle

Cut out the squares below and fit together sides so that a problem is matched up with its answer. Show your work on notebook paper on a *minimum* of 20 equations. It may take you fewer than 20 to solve the puzzle or it may take you more, but your final work should have *at least* 20 equations solved to receive full credit. The final puzzle will be a 4 x 4 square. Some problems will not have an answer — these are outside edge pieces.

$-6(x - 4) - 6 = 30$ 14 $-8(x - 1) = 40$ -1	$4(x + 3) = 12$ -6 $2(8x - 1) = 20$ $9(x - 4) = 81$	-17 $8(x + 3) = 10$ $2(x + 3) - 1 = 8$ 15	7.5 $5(x - 1) = 30$ 0.5 -4
$-5(3x - 2) + 7 = 42$ -1.5 $3(2x + 1) = 30$ 1.375	$6(2x - 1) = 18$ -8 $2(x - 3) = 18$ 2	$9(x + 3) + 15 = 63$ $3(2x - 3) - 1 = 35$ $-2(x - 5) = -12$ 6.5	$-(x + 2) - 5 = -1$ $0.5(3x - 1) - 5 = -2.5$ $-8(x - 5) = 22$ 3
$2(x - 5) - 20 = -2$ $6(x - 1) = 54$ $5(2x + 3) = 10$ $-4(x - 2) = 48$	$8(x - 2) = 32$ $3(x + 4) = -39$ $-2(x + 1) = 30$ 7	$4(3x + 1) = 10$ $4(3x - 5) + 7 = 27$ $-4(x - 3) = -48$ -0.5	$4(2x - 3) + 15 = -21$ 5 $3(4x - 1) = 27$ 4.5
$-5(2x - 3) = -80$ 3.5 $-6(x - 1) = -42$ 2.5	$5(x + 2) = -30$ $2(2x - 1) - 10 = 30$ $3(5x - 1) = 9$ -10	$-7(2x - 4) - 4 = -25$ 6 $3(4x - 1) = 9$ 11	$-7(4x - 2) + 3.5 = 59.5$ -2 $10(2x - 5) = 80$ $7(2x - 3) = 21$