PRACTICE TEST 14 ALGEBRA Multi-Step **Distributive With Parentheses**
ANSWERS
NAME _____

Place your answer by darkling in the correct circle for each problem.

A.
$3x +3(-6x-31) = -228$
$3x- -18x -91 = -228$
$-15x – 93 = - 228$
$-15x = -135$
$X = 9$

● $X = 9$
○ $X = -9$
○ $-X = 9$

G.
$12(3x + 4) = 6(7x + 2)$
$36x + 48 = 42x + 12$
$48 = 6x + 12$
$36 = 6x$
$6 = x$

○ $-6 = x$
● $6 = x$
○ $6 = -x$

B.
$-7x +4(2x + 11)=50$
$-7x + 8x +44 = 50$
$X + 44 = 50$
$X = 6$

○ $X = 8$
○ $X = -6$
● $X = 6$

H.
$3x – 25 = 11x – 5 + 2x$
$3x – 25 = 13x – 5$
$-25 = 10x – 5$
$-20 = 10x$
$-2 = x$

○ $2 = x$
○ $2 = -x$
● $-2 = x$

C.
$3x + 4 (-3x-22) =-151$
$3x – 12x – 88 = -151$
$-9x -88 = 151$
$-9x = -63$
$x= 7$

○ $x= -7$
● $x= 7$
○ $-x= 7$

I. $-6x + 4 =4(7 -x)$
$-6x + 4 = 28 + 4x$
$-6x = 24 + 4x$
$-2x = 24$
  $x =-12$

○ $X = 12$
○ $-X = -12$
● $X = -12$

D.
$11x – 3 = 7x + 25$
$4x – 3 = 25$
$4x = 28$
$X = 7$

○ $X = -7$
○ $-X = 7$
● $X = 7$

J.
$-12(12x+6) =936$
$12x + 6 =-78$
$12x = -84$
$X = -7$

● $X = -7$
○ $X = 7$
○ $-X = -7$

E.
$5(2x + 4) = 4(3x + 7)$
$10x + 20 = 12x + 28$
$20 = 2x + 28$
$-8 = 2x$
$-4 = x$

● $-4 = x$
○ $4 = x$
○ $4 = - x$

K.
$-6x +7(1+3x) = 2(7 + 8x)$
$-6x +7 +21x = 14 + 16x$
  $15x = 7 + 16x$
    $-7 = x$

○ $7 = x$
● $-7 = x$
○ $7 = - x$