EQUATION PUZZLE 4

Name _____

Use your equation solving skills to find the value of each variable. Use the values you calculate to help you move along in the puzzle and find all the missing variables.

$-2(4a + 5) - 8 = 38$	$a =$
$\dfrac{a(b + 3)}{2} + 4 = -3$	$b =$
$b(8c - 9) + 12 = -27$	$c =$
$\dfrac{-4(c + 2d)}{-8} + 3 = 10$	$d =$
$-5(2e - 3d) + 1 = 91$	$e =$

EQUATION PUZZLE 5

Name _____

Use your equation solving skills to find the value of each variable. Use the values you calculate to help you move along in the puzzle and find all the missing variables.

$5(3f - 0.5) - 1.6 = -56.6$	$f =$
$\dfrac{-4(g + 3.2)}{10} + f = -5.5$	$g =$
$7(5h - 0.4) - g = 128.4$	$h =$
$\dfrac{6(4i + h)}{-2} + 7.2 = -3$	$i =$
$-(8j - i) + 10.4 = -35.3$	$j =$

EQUATION PUZZLE 6

Name _____

Use your equation solving skills to find the value of each variable. Use the values you calculate to help you move along in the puzzle and find all the missing variables.

$-8\left(2k + \dfrac{3}{4}\right) + 5 = -121$	$k =$
$\dfrac{\frac{1}{2}(8k + l)}{6} = 4\dfrac{2}{3}$	$l =$
$\dfrac{1}{5}(4m + l) - \dfrac{1}{2} = -5\dfrac{1}{2}$	$m =$
$\dfrac{10(n - m)}{1/2} + 1\dfrac{1}{2} = 109$	$n =$
$n(10p - 16) + 3\dfrac{1}{2} = \dfrac{1}{2}$	$p =$