Name Key
Mrs. Roumbos

Date_____
8R Period_____

Do Now

1) What is the solution for: $72x + 7 = 223$

$-7 \quad -7$

$\frac{72x}{72} = \frac{216}{72}$

$x = 3$

A) $x = 6$
B) $x = 4$
C) $x = 3$
D) $x = 2$

2) Which best describes the solution for: $\frac{g}{2} - 6 = 4$?

$+6 \quad +6$

$(2)\left(\frac{g}{2}\right) = (10)(2)$

$g = 20$

A) $g = 20$
B) $g = 5$
C) no solution
D) infinitely many solutions

3) What value of u makes the equation true? $u - 9 = -7u + 7$

$+7u \quad +7u$

$8u - 9 = 7$

$+9 \quad +9$

$\frac{8u}{8} = \frac{16}{8}$

$u = 2$

A) $u = 2$
B) $u = 2\frac{2}{3}$
C) $u = 16$
D) $u = 32$

4) What value of x makes the equation true? $\frac{3}{4}x + 9 = 3$

$-9 \quad -9$

$\left(\frac{4}{3}\right)\left(\frac{3}{4}x\right) = (-6)\left(\frac{4}{3}\right)$

$x = -8$

A) $x = -8$
B) $x = -\frac{1}{2}$
C) $x = 1$
D) $x = 16$

5) What value of t makes this equation true? $6t - 8 = 2(2t + 1)$

$6t - 8 = 4t + 2$

$-4t \quad -4t$

$2t - 8 = 2$

$+8 \quad +8$

$\frac{2t}{2} = \frac{10}{2}$

$t = 5$

A) $t = -3$
B) $t = 1$
C) $t = 2$
D) $t = 5$

6) What value of r makes the equation true? $\frac{1}{4}(4r - 1) = 2r + \frac{1}{8}$

$1r - \frac{1}{4} = 2r + \frac{1}{8}$

$-1r \quad -1r$

$-\frac{1}{4} = 1r + \frac{1}{8}$

$-\frac{1}{8} \quad -\frac{1}{8}$

$r = -\frac{3}{8}$

A) $r = -\frac{3}{8}$
B) $r = -\frac{1}{6}$
C) $r = \frac{1}{4}$
D) $r = \frac{1}{2}$