

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**M8-U3: HW #1 – Multi-Step Eqn.**

Class: \_\_\_\_\_

#1.  $-5c + 9c = -20$

Ck:

#2.  $6(7k - 10) = 24$

Ck:

#3.  $36 = 6b - 6 + b$

Ck:

#4.  $4(g + 2) + 8g = 56$

Ck:

#5.  $6(2k + 5) - 3k = 66$

Ck:

#6.  $3x + x + 12 = 180$

Ck:

#7.  $3x - 10 + x + 8 = 90$

Ck:

#8.  $3x - 10 + 3x - 5 + 7x = 180$

Ck:

#9.  $2(3y + 4) = -40$

Ck:

#10.  $-12 = 3(2x - 10)$

Ck:

Review:

#1.  $-11 + y = 14$

#2.  $\frac{2}{3}x = -8$

#3.  $4x - 1.5 = 1.3$

#4.  $3.4 - 8 =$

#5.  $-1\frac{7}{9} \div -4\frac{4}{11}$

#6. The variables  $a$ ,  $b$ ,  $c$  are each represented by a different whole number.  
Given that  $c = 2$ , use the properties to determine the values of  $a$  and  $b$ .

$$a \times b = b \qquad a = \underline{\hspace{2cm}}$$

$$a - a = b \qquad b = \underline{\hspace{2cm}}$$

$$a + c = 5 \qquad c = \underline{\hspace{2cm}}$$

#7. Translate and solve: the quotient of a number  $x$  and  $-8$  is  $-25$ .