

Name - \_\_\_\_\_

Start time - \_\_\_ : \_\_\_

End time - \_\_\_ : \_\_\_

**Solve the following.**

1. Solve the following algebraic expression:

a.  $(2x-3)=8(2x+5)$

b.  $3(4x-5) = 5(2x-5)$

c.  $2(3x-4) 7(11-2x) 7(5-x)=-4(x-11)$

d.  $(6x+2) = 5(x-2)$

e.  $-4(x-8)=-6(4+3x)$

2. Determine the value of VARIABLES in question given below:

a.  $-3z-1=1-7z$

b.  $w-5=8w+5$

c.  $-5f-8=2(3f+2)$

d.  $6g + 5 = -2(1 + 2g)$

e.  $5r = -3(r+3) - 7$

f.  $-7q+8 = -8+3q$

g.  $-4p^2=6p+1$

h.  $-5 + 8a = -4+7a$

i.  $5k -2(1 + 4k) - 7$

3. A) 
$$\frac{x+2}{X^2+9x+18}$$

B) 
$$\frac{X^2+7x+6}{X+1}$$