Repositioning to Isolate Terms.

Reposition terms to isolate **e** making it the subject of the equation.

Number in order 1, 2 and then 3.

If there is only 1-step, then just number with a 1

a. $e - z = g$

-e **-z** **+z** **+e**

b. $e + z = g$

-e **-z** **+z** **+e**

c. $z + e = g$

-e **-z** **+z** **+e**

d. $2e + z = g$

-e **-z** **+z** **+e** **-2e** **÷2** **÷2z**

e. $g+z = z + 2e$

-e **-z** **+z** **+e** **-2e** **÷2** **÷2z**

f. $g = \frac{e}{4} + 2z$

- 4z **$-\frac{4}{e}$** **+2z** **x4** **-2z** **÷2** **÷2z**

g. $e(z+4) = 3z - g$

- z+4 **- e** **+2z** **xe** **-2z** **÷e** **÷(z+4)**

g. $(z+ 4)3e = \frac{z}{g}$

- (z+4) **÷ 3** **+2z** **xe** **-3e** **÷e** **÷(z+4)**

LIVEWORKSHEETS

Balance these equations by isolating (using the inverse)

$a + b = c$

$c =$

$4a = b$

$a =$ ——

$d = c - a$

$c =$

$\frac{a}{5} = b$

$a =$

$2a + b = c$

$2a =$

$a =$ ———

$z + \frac{a}{5} = b$

$\frac{a}{5} =$

$a =$

$b - z = 2a + z$

$2a =$

$a =$ ———

$(b - z)a + 6 = z + 2b$

$(b - z)a =$

$a =$ ———

$b - z = \frac{5}{2}a + 3z - b$

$\frac{5}{2}a + 3z =$

$\frac{5}{2}a =$

$a =$ —— ( )

$4a - 3z = b + z$

$4a =$

$a =$ ———

LIVEWORKSHEETS