

Isolating Terms to Rearrange Equations.

How would I isolate **e** so it becomes 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)

Balance these equations by isolating (using the inverse)

$$a + b = c$$

$$c =$$

$$4a = b$$

$$a = \underline{\hspace{2cm}}$$

$$d = c - a$$

$$c =$$

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

$$a =$$

$$2a + b = c$$

$$2a =$$

$$a = \underline{\hspace{2cm}}$$

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

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

$$a =$$

$$b - z = 2a + z$$

$$2a =$$

$$a = \underline{\hspace{2cm}}$$

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

$$a + 6 = \underline{\hspace{2cm}}$$

$$a = \underline{\hspace{2cm}}$$

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

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

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

$$a = \underline{\hspace{1cm}} (\hspace{1cm})$$

$$4a - 3z = b + z$$

$$4a =$$

$$a = \underline{\hspace{2cm}}$$