Name:

After completing the worksheet, check your solutions against the solutions given on my website

Algebra Worksheet 1

Solve the following equations for the unknown value. Remember the golden rule of algebra: Do the same thing to both sides of the equation! Please ***show your steps*** and align your equals signs vertically. Your solution should have a slight **V** shape to it. Proceed in alphabetical order.

a) $a + 5 = 8$

$-5 \quad -5$

$a = 3$

b) $b + 3 = 5$

c) $c + 6 = -4$

d) $d - 5 = 3$

e) $6 - e = -1$

$-6 \quad -6$

$-e = -7$

$-1e = -7$

$\div(-1) \quad \div(-1)$

$e = 7$

f) $7 + f = 4$

g) $9 - g = -7$

h) $2h + 3 = -5$

i) $8 - 3i = 9$

j) $10 + 5j = -5$

k) $6k + 3 = -9$

l) $2l = l + 5$

m) $3m = m - 4$

$-m \quad -m$

$2m = -4$

$\div 2 \quad \div 2$

$m = -2$

q) $8q + 1 = 6q + 9$

u) $-4 + 2u = 3u - 8$

n) $n + 5 = 3n - 4$

r) $3r + 6 = 5r - 7$

v) $2(v + 3) = 4v + 3$

o) $o - 6 = 5o + 8$

s) $8 - 3s = -3 + 4s$

w) $-2(v + 1) = 3v + 5$

p) $10 - 2p = 3 + 2p$

t) $4 + 2t = 10 - 3t$

x) $4(3 - x) = 3 + x$

Now check your answers on my website! They are posted under the November 22nd heading.

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