

Name:

Block:

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

Algebra Worksheet 3

Solve for the unknown value in each equation below. Perform a check in the empty space.

a) $2(a + 1) = 5$

d) $4(5 - d) = 2d + 1$

b) $3(2 - b) = 4$

e) $3(e + 2) = 4(e - 1)$

c) $2(2 + c) = 3c$

f) $-2(f - 1) = 2(f + 3)$

$$\text{g) } 3g - 4 = 4(2 - g)$$

$$\text{j) } -3(j - 1) = 2j - 5$$

$$\text{h) } 2h + 3 = 5 - 2(h + 2)$$

$$\text{k) } 3k - 4 = 2(k + 1) + 4$$

$$\text{i) } i - 1 = 3(i + 6)$$

$$\text{l) } -2l + 6 = -4(2 - l)$$

$$\text{m)} \quad 3m - \frac{1}{2} = 2(m + 1)$$

$$\text{p)} \quad 2\left(\frac{1}{3} + 2p\right) = 3p + 2$$

$$\text{n)} \quad -2n + \frac{2}{3} = -3(3 - n)$$

$$\text{q)} \quad \frac{2}{5} - 3q = 2\left(q + \frac{1}{3}\right)$$

$$\text{o)} \quad 3 - 2o = \frac{3}{5} + o$$

$$\text{r)} \quad 4r - 5 = \frac{2}{3} - 2r$$

$$\text{s)} \quad -2\left(s - \frac{1}{2}\right) = 3s - 4$$

$$\text{v)} \quad \frac{2}{3}v + 1 = -2(v + 3)$$

$$\text{t)} \quad 3t - \frac{4}{5} = -2t + 1$$

$$\text{w)} \quad -\frac{1}{4}w - 3 = \frac{1}{5}(2w + 4)$$

$$\text{u)} \quad -2u - 2 = u + 1$$

$$\text{x)} \quad -3(x + 1) = \frac{2}{5}x - 2$$