

Name:

Class/Set:

# Linear Equations

Malvern College

1: Solve the following:

a)  $4v + 7 = 7$

b)  $3u + 4 = 19$

c)  $25 = 10h + 5$

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d)  $30 = 5n - 10$

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e)  $6x - 3 = 39$

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f)  $9r + 3 = 39$

2: Solve the following:

a)  $38 = 2(f + 10)$

b)  $-21 = 7(t - 9)$

c)  $8(q - 6) = -24$

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d)  $12 = 4(e - 7)$

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e)  $6(y - 8) = -42$

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f)  $34 = 2(a + 9)$

3: Solve the following:

$$\text{a) } -2 = \frac{k - 8}{3}$$

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$$\text{b) } \frac{b - 15}{9} = -1$$

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$$\text{c) } \frac{w + 57}{10} = 6$$

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$$\text{d) } -4 = \frac{z - 35}{7}$$

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$$\text{e) } \frac{j + 1}{5} = 2$$

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$$\text{f) } 8 = \frac{p + 59}{8}$$

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4: Solve the following:

$$\text{a) } 7s = 2s$$

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$$\text{b) } 2m + 32 = 10m$$

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$$\text{c) } 8c = 4c + 4$$

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$$\text{d) } 6g = 4g + 20$$

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$$\text{e) } 6q + 32 = 10q$$

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$$\text{f) } 2h + 6 = 3h$$

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5: Solve the following:

a)  $7f - 5 = 5f - 5$

b)  $9v + 1 = 7v + 19$

c)  $y + 40 = 8y - 9$

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d)  $3r + 11 = 7r + 3$

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e)  $3w + 15 = 10w - 6$

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f)  $10a + 7 = a + 43$

6: Solve the following:

a)  $5(u + 15) = 10(u + 5)$

b)  $9(t - 4) = 6(t - 1)$

c)  $2(n + 6) = 7(n + 1)$

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d)  $9(x - 1) = 5(x + 3)$

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e)  $6(b + 8) = 8(b + 6)$

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f)  $9(k - 1) = 3(k + 5)$