

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Linear Equations Worksheet

Solve the equations.

1 a.  $w + 1 = 8 \cdot 7$

1 b.  $3 - 3 = 10 - w$

2 a.  $\frac{c}{5} = 7 \cdot 1$

2 b.  $p + 5 = 9 \cdot 2$

3 a.  $8 = \frac{s}{6}$

3 b.  $8t = 11 + 5$

4 a.  $2 = 8y$

4 b.  $8 + b = 11 + 7$

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## Answer Key

|                |               |
|----------------|---------------|
| 1 a. $w = 55$  | 1 b. $w = 10$ |
| 2 a. $c = 35$  | 2 b. $p = 13$ |
| 3 a. $s = 48$  | 3 b. $t = 2$  |
| 4 a. $y = 1/4$ | 4 b. $b = 10$ |

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## Linear Equations Worksheet

Solve the equations.

1 a.  $-2v - (-7)v = 8$

1 b.  $-5 - b = 0$

2 a.  $\frac{t}{-8} = 4$

2 b.  $s + (-4) = 3$

3 a.  $12 = -2 + a$

3 b.  $2t = -9$

4 a.  $-5 = -a - (-5)a$

4 b.  $4 = -3t + 2t$

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## Answer Key

|                           |                           |
|---------------------------|---------------------------|
| 1 a. $v = 1 \frac{3}{5}$  | 1 b. $b = -5$             |
| 2 a. $t = -32$            | 2 b. $s = 7$              |
| 3 a. $a = 14$             | 3 b. $t = -4 \frac{1}{2}$ |
| 4 a. $a = -1 \frac{1}{4}$ | 4 b. $t = -4$             |

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## Linear Equations Worksheet

Solve the equations.

1 a.  $4 - 6v = 8$

1 b.  $3 - 5p = 4$

2 a.  $\frac{1 - w}{9} = 3$

2 b.  $1 = 7 - 9w$

3 a.  $4 = \frac{4n}{5}$

3 b.  $6 = \frac{b + 9}{2}$

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## Answer Key

|                 |                 |
|-----------------|-----------------|
| 1 a. $v = -2/3$ | 1 b. $p = -1/5$ |
| 2 a. $w = -26$  | 2 b. $w = 2/3$  |
| 3 a. $n = 5$    | 3 b. $b = 3$    |

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## Linear Equations Worksheet

Solve the equations.

1 a.  $2 = \frac{k+2}{3}$

1 b.  $1 = \frac{c+7}{1}$

2 a.  $9 = \frac{z-1}{8}$

2 b.  $\frac{2v}{8} = 4$

3 a.  $7 = 3c + 8$

3 b.  $6 - 8k = 8$

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## Answer Key

|                 |                 |
|-----------------|-----------------|
| 1 a. $k = 4$    | 1 b. $c = -6$   |
| 2 a. $z = 73$   | 2 b. $v = 16$   |
| 3 a. $c = -1/3$ | 3 b. $k = -1/4$ |