

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $1 + 2m = 5 + 3m - 5 - 1$

2)  $r - 3 + 3r = 4 - 3r + 6r$

3)  $5 + 8k = 6k - 5 + 5 - 11$

4)  $5 - 3m = 9 + m$

5)  $p + 6 = 6 + 3p$

6)  $-8n + 5 + 8n = -14 - 5n - 8 - 3$

7)  $1 + 4x = 11 + 2x$

8)  $7 + 2x = -8 - 3x$

9)  $x + 13 = 2x + 5$

10)  $8 + 6n = 2 + 8n - n$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $-5n + 2n = -3n - 7$

2)  $2m - 6m = 3 - 3m$

3)  $-6b - 1 = -6b - 1$

4)  $n - 3 + 4 = 9 + 2n$

5)  $-4 + 2a = a - 1$

6)  $8a - 4 - 2a = 11 + 3a$

7)  $-16 - 2n = 4 + 8n$

8)  $-1 + k = -16 - 2k$

9)  $-7x + 5 - 2x = -3 - 8x$

10)  $r - 3 = -3 + 8r$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $a - 4 - 5 - 2 = 3a + 5 - 2$

2)  $6 + 2x = -6x + 7x$

3)  $8a - 8 + 2a = 6a - 12$

4)  $k + 5 = 16 + 5 - 2k + k$

5)  $3p - 4p = -p - 4$

6)  $14 + 1 + 4n + 6n = 7n + 6n$

7)  $m - 4 = -16 + 4m$

8)  $-5 - b = b + 1$

9)  $-12 - 2r = -3r - 7$

10)  $-7 - 4n = 2 - n$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $9 + 6x = 7x + 1$

2)  $-2r + 4r = 8 + 4r$

3)  $7 + 5x = x + 3$

4)  $7m - 5 = -12 + 6m$

5)  $2m + 8 = 12 + m$

6)  $2b + 6 = 6b - 4b$

7)  $-2n - 11 = 1 - 5n$

8)  $4k - 8 = 6k - 16$

9)  $-11 + 7m = 1 + 5m + 4m$

10)  $x - 2 = -4x + 6x + 5$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $-n - 3n = 10 - 6n$

2)  $-10 - 8n = -1 - n - 2$

3)  $2b - 4b = 13 + 1 + 6b - b$

4)  $4 + 7v + 5v = 15 + v$

5)  $6 - p = p - 2$

6)  $4 - 3k - 4k = 1 - 6k$

7)  $n - 7 = -11 - n$

8)  $-13 - 4p = -6 + 3p + 7$

9)  $b - 8 = 7 + 4b$

10)  $-5x + 6x + 6 = x + 6$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $6m - 4m = -8 + 3m$

2)  $7a = 1 + 7a - 3$

3)  $-6 + 8b = -b + 8b - 7$

4)  $2 - 8n = -8 - 6n$

5)  $x + 6 = -16 + 4x + 2 + 2x$

6)  $k + 7 + 7k + 11 = 6 + 6k$

7)  $-13 - 6n = n + 1$

8)  $-15 + 8n = 6n - 3$

9)  $5 - 3x = 3 - x$

10)  $6x = 3x - 3 - 6$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $5 - 4r = -6r - 9$

2)  $-4k - 4k = -5 - 7k$

3)  $3 - 4x = 2x - 15$

4)  $-2p - 7p = 4 - 7p$

5)  $-5 + 2k = 2k - 5$

6)  $-4x + 6 = -8x + 2$

7)  $2x + 6x = -4 + 7x$

8)  $-5x - 5x = -x + 9$

9)  $3n + 8 = 4 + n + 6 - 6$

10)  $1 + 7n = -6 + 8n$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $-15 + 8k = -1 + 6k$

2)  $8x = 1 + 8x - 1$

3)  $6v + 12 = 3v + 5 + 3v$

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

5)  $6x + 3 = 1 + 5x$

6)  $3 + 3p = p - 5$

7)  $n + 8 = -4 - 2n$

8)  $-4 - 3n = -3n - 2n$

9)  $1 - 8k = 7 - 7k$

10)  $7b + 12 = 5b + 8b$



## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $-6 - 4x = -6x + 2 + x$

2)  $6n - 3 - 6n = n + 2$

3)  $-12 + 8a = 8a - 4$

4)  $-8x - 4x = 16 - 8x$

5)  $k + 4 = k + 4$

6)  $8n + n = 4n + 7n$

7)  $5v - 5v = -16 + 4v + 3 + 1$

8)  $-3 + x - 3 + x = x - 6$

9)  $2m - 7 + m = -7 + 7m$

10)  $x + 8 = -10 + 4x$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $13 - 8x = x + 4 - 6x$

2)  $2 + 2v + 3 = -v - 13$

3)  $7x + 1 + 6 = 6 + 8x - 6 + 1$

4)  $11 + 3v = 1 + 5v$

5)  $6 - 5r = -4r - 2$

6)  $8x + x = 3x + 6x$

7)  $4x - 6x = -2x$

8)  $4 - 6x = 2 - 7x$

9)  $14 + 7p = p + 2$

10)  $8 + 6p - 5 - 1 = 5p + 6$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $2 - 6b = -4 - 7b + 8$

2)  $p + 6 - 3 = -7 + 3p$

3)  $8p - 2p + 13 = 1 + 5p + 3p$

4)  $8x + 3 - 3x = 10 + 4x$

5)  $n - 1 = n + 1$

6)  $3m - 3 = 5 - 3m + 8m$

7)  $-3v + 12 = -3v + 6v$

8)  $5k - 4 - 6 - 5 = 5 - 5k$

9)  $5b + 2 = 4 + 5b$

10)  $-3k - 2k = -15 - 8k$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $7n - 5 + 7n - 1 = 7n + 8n$

2)  $-4 + k - 3 = -7 - 8k + 6k$

3)  $r - 6 = r - 4 - r + 5$

4)  $-11 + 4b = b - 2$

5)  $-6r - 6 = -14 - 5r$

6)  $-7 - 3x = 6x + 2$

7)  $2k + 4 = -5 - k$

8)  $5x + x + 7 = 7x + 1 - 2x$

9)  $6 - 8a + 4a - 6 = 1 + 6a - 1$

10)  $-4 + k = -k - 8 + 6k$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $-16 - 8x - 3x = -8x - 5x$

2)  $10 - 5n = -n - 6n$

3)  $n - 7 = 5n + 13$

4)  $3b + 7 = -8 + 5b + 7b - 3$

5)  $-6x + 9 = 1 - 8x$

6)  $-5 + 1 + b + 2 = b - 2$

7)  $-4a - 4a - 11 = a - 2$

8)  $x + 4 = 4x - 14$

9)  $4r - 5 = 2r + 3 + 3r$

10)  $1 + 3n = -7 + 7n$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $-7r - 8r = -5r - 5r + 5$

2)  $-5 - 7x = -2 - 8x$

3)  $8x - 8 = -5x - 8$

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

5)  $8 + 2x = x + 5$

6)  $4 - 5x = -4x + 6$

7)  $-7n + 8 = -4 - 5n$

8)  $6 - 7n = -6n - 4n$

9)  $-5 + 5v = 5v - 5$

10)  $8b + 10 = 6b + 2$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $-11 - v = v - 1$

2)  $-7 - x = x - 1$

3)  $-6 + 7b = 8b - 5$

4)  $15 + b = 6b - 2b$

5)  $-7 + n = n + 1$

6)  $9 - 3x = x + 1$

7)  $9 + 2x + 7x = x - 7$

8)  $1 + 6n = 15 + 8n$

9)  $r + 8 = 8 + r$

10)  $-15 + 4v = 5 + 8v$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $10 + 4a = 6a + 4$

2)  $-16 - 8a = -8a + 2a$

3)  $16 - 2a = 1 + a$

4)  $-5x - 3x - 14 = 2 - 6x$

5)  $1 + 5b + 5 + 4b = 7b + 6 + 2b$

6)  $12 + 3a - 8a = 6 - 7a$

7)  $8 + 1 + 5p - 2 = 1 + 7p$

8)  $-14 + 4 + 3a + 8 = 3 + a - 3a$

9)  $m - 6 - 5 = -4 + 8m$

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



## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $15 + 2k + 5 + 2 = -2 + 5k$

2)  $4x - 7 = -13 + 7x - 6x$

3)  $r + 2 - 7r = -5r - 1$

4)  $n - 1 - 2 - 11 = -7 + 2n$

5)  $-3k + 6k = -6 + 4k$

6)  $m - 4 = -3m + 12$

7)  $-13 + 4n + 7 - 5 = 6n - 7$

8)  $-9 + 4m = 7 + 2m$

9)  $6 + 4x + 8 = x - 7$

10)  $3n + 14 = 4n + n$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $3 + 6p = p - 7$

2)  $-3n + 2n = -n + 5$

3)  $5 + 4n = 6n - 1 + 2$

4)  $-6 - 6a = 1 - 5a - 6 - 5$

5)  $4 - 3m - 7m = -2 - 8m$

6)  $5k - 2 - 2k = -8k + 9$

7)  $6m - 3 = -5 + 7 + 5m - 8$

8)  $-1 - 7r = -3 - 5r$

9)  $-16 + x = 5 - 6x$

10)  $1 + 6x = 5x + 4$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $-2 + 3n = -2 - 5n$

2)  $9 - 5a + 8a = 7 + 4a$

3)  $6x - 8 + 2 = 3x + 5x + 10$

4)  $5k - 7 + 7 = 3k - 12$

5)  $6p + 2 = 8p - 12$

6)  $4 + 6n = -3 + 5n$

7)  $5 + 6x = 7 + 6x$

8)  $10 + 7v = 5 + 6v$

9)  $-4 - 2x = -8 - 3x$

10)  $10 + r - 5r = -6r - 8r$

## Variables on Both Sides

Date \_\_\_\_\_ HW# \_\_\_\_\_

**Solve each equation.**

1)  $6 - 4x = 6x - 2 - 6x$

2)  $-5 + 5x + 5 = 2x + 9$

3)  $a - 8 = 10 + 4a$

4)  $2x - 4x = 12 - 6x$

5)  $4n - 3 = -13 - n$

6)  $v + 1 - 1 = -12 + 5v$

7)  $n - 4 = -14 - n$

8)  $7 + v = -8 - 2v$

9)  $n - 1 = 16 + 3n + 4 + n$

10)  $-1 + 5 + 2v + 7v = 8v - v$