

Solving Equations with Parentheses

Date _____ HW# _____

Solve each equation.

1) $84 = 7(8r - 4)$

2) $-156 = -4(-3 + 6m)$

3) $4(-2 - 5r) = 152$

4) $-8(4k + 2) - 6k = -168$

5) $-5(5n - 3) - 8 = -168$

6) $v - 4(3v - 3) = 100$

7) $-96 = -8(p + 7)$

8) $-91 = -3(1 + 6b) + 7b$

9) $88 = -8(k - 3)$

10) $96 = -6(4 - 5n) - 6n$

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Solve each equation.

1) $-150 = 5(-6 - 6b)$

2) $-8(2 + 3a) = 176$

3) $8(m - 7) = -120$

4) $7 - 5(7b - 4) = 307$

5) $-242 = 8(1 - 8v) + 6$

6) $3(2 - 7r) = 90$

7) $-7(8v + 2) = -182$

8) $129 = 5(4k + 5) - 7k$

9) $-7(6 + m) - 8m = -117$

10) $-x - 7(-6 - 8x) = -288$

Solving Equations with Parentheses

Date _____ HW# _____

Solve each equation.

1) $-3(6m + 6) = -144$

2) $4(1 - 4x) = 116$

3) $-8(n - 4) = 88$

4) $7k + 7(k + 5) = 133$

5) $260 = -5(-7n - 3)$

6) $-8r - 8(2 - 5r) = 240$

7) $-162 = 6(1 + 4v)$

8) $180 = 3(4 - 7n)$

9) $3(4x + 3) - x = 86$

10) $100 = 3v + 2(5 + 6v)$

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Date _____ HW# _____

Solve each equation.

1) $112 = -8(3k - 8)$

2) $-120 = -6(6x - 4)$

3) $7(6x - 4) = -154$

4) $8 + 3(-4 + 5a) = 116$

5) $93 = -3(1 - 8v)$

6) $8(2k - 4) + 5k = 136$

7) $-3(4 + 5r) = -87$

8) $-252 = -7(8 - 4p)$

9) $7(2n - 3) = -119$

10) $-6(4b - 3) = 186$

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Date _____ HW# _____

Solve each equation.

1) $-82 = -2(1 - 5b)$

2) $-6(-3r - 3) = 108$

3) $90 = -8(n - 3) + 2$

4) $120 = 8(6 + 3r)$

5) $5(2 - 6m) = 160$

6) $150 = -5(3n - 6)$

7) $-238 = 7(1 + 7r)$

8) $-175 = 1 - 4(-8m - 4)$

9) $-159 = -3(4 - 7n)$

10) $-7 + 2(7 + 6k) = -89$

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Date _____ HW# _____

Solve each equation.

1) $2(1 - 8p) - 1 = 97$

2) $-97 = -x + 7(-7 - x)$

3) $-109 = -3(4 + 5x) - 7$

4) $160 = -8(1 - 7x)$

5) $-132 = -6(8 + 2p)$

6) $3(6 + 8n) = -174$

7) $-6p - 2(6p + 4) = 118$

8) $215 = -5(8k - 2) - k$

9) $85 = 5(4x + 1)$

10) $-2(-8x + 5) = -90$

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Date _____ HW# _____

Solve each equation.

1) $-119 = -7(5n + 7)$

2) $287 = 7(1 - 5r)$

3) $287 = -7n - 7(1 - 7n)$

4) $2(5x - 8) + 5x = -91$

5) $-96 = 6n - 8(-3n - 3)$

6) $96 = -8(-2a - 4)$

7) $-149 = 7(-8x + 3) - 2$

8) $96 = 3(6x + 2)$

9) $2 - 8(p - 5) = 90$

10) $-275 = 5(1 - 7x)$

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Solve each equation.

1) $4(-7 - 3n) = -124$

2) $8(-4k - 8) = -96$

3) $8(2 + 2a) = 96$

4) $-114 = -6(3x + 1)$

5) $156 = -4(1 + 5x)$

6) $8(7m + 4) = -416$

7) $5(-2a - 3) + 5 = -90$

8) $-5(4n + 1) = 115$

9) $-92 = 4(4x + 5)$

10) $91 = 7(1 + 6p)$

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Solve each equation.

1) $321 = -3 + 6(-7p - 2)$

2) $3(5n - 1) = -93$

3) $-263 = 3x + 5(8x - 1)$

4) $-192 = 8(-7v + 4)$

5) $176 = -4 + 6(4x - 2)$

6) $-228 = -4(1 + 7n)$

7) $-4(8r + 6) + 8 = 176$

8) $-5(-3x + 6) = -90$

9) $6(4a - 7) = -210$

10) $-305 = -5(8m + 5)$

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Solve each equation.

1) $-2(1 - 7n) = -86$

2) $-6(3 - 8m) = -354$

3) $-144 = -8(-5a + 8)$

4) $7(1 - 4x) = -161$

5) $-280 = 7m + 8(4m + 4)$

6) $-84 = -4(1 + 4b)$

7) $5(7n + 6) = 310$

8) $-8(-5x - 6) + 8 = -104$

9) $-8(v - 6) = 104$

10) $6(6b - 6) = 216$

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Solve each equation.

1) $155 = -5(-3k - 7)$

2) $-8 - 8(7k + 2) = 144$

3) $-456 = -8(1 - 8p)$

4) $-5(1 - 8v) + 4v = -93$

5) $5r + 5(-3r + 1) = 85$

6) $-128 = -4(5x - 8)$

7) $7(7 + 5n) + 6n = 131$

8) $7 + 8(r + 2) = 87$

9) $444 = 3 - 7(8x + 1)$

10) $6(v - 8) = -90$

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Solve each equation.

1) $88 = 8(x + 3)$

2) $-84 = 7(2n - 4) - 6n$

3) $-3(8a + 2) = -198$

4) $-8(2 + 6v) = 224$

5) $5n + 2(5 + 2n) = 82$

6) $4(8n + 1) = 228$

7) $-7(8v + 2) = -238$

8) $4(2 + 4m) = 104$

9) $5(-5x - 3) - 7 = -97$

10) $-181 = 7(8r + 5) + 8$

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Solve each equation.

1) $-102 = -6(-7a - 4)$

2) $-85 = -6(6 - a) - 7$

3) $-6(1 - 6n) = 102$

4) $-8(-4 - n) = 96$

5) $6(-5 - 8n) = 210$

6) $-7 - 8(1 - 6p) = -159$

7) $-150 = 6(5v - 5)$

8) $-8(6 - 8x) = 336$

9) $-431 = -8(7a + 5) + 1$

10) $-7(3 - 8a) = 315$

Solving Equations with Parentheses

Date _____ HW# _____

Solve each equation.

1) $-392 = -8(-6x + 7)$

2) $-7(a + 4) = -84$

3) $7 + 7(1 + 5b) = -161$

4) $-8(1 - 2n) = 88$

5) $-8(6n - 7) = 392$

6) $119 = 6(-5x - 4) - 7$

7) $-7(5 + 7x) - 2 = -135$

8) $-8(-7 + n) = 112$

9) $6(8 - 6x) - 6x = 258$

10) $5(4x - 4) = 140$

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Solve each equation.

1) $4(-5 + 6a) - 7a = 99$

2) $104 = 4(-8k - 6)$

3) $-90 = -5(2 - 8p)$

4) $-322 = 8(7 + 7v) - 2v$

5) $-84 = -7(n + 6)$

6) $8(4 + 5n) = -288$

7) $-113 = -6(3n + 8) + 7$

8) $91 = 6(k + 7) + 1$

9) $-5(8 + 2r) = -110$

10) $-132 = 3(-2 + 7n)$

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Solve each equation.

1) $-146 = 7(3 + 8m) + 1$

2) $-85 = -7 - 6(x + 5)$

3) $-4(8 + 8x) = 96$

4) $-5(7r + 1) - 1 = -181$

5) $-116 = -8 - 2(6n + 6)$

6) $342 = -6(8x - 1)$

7) $163 = 6(4x - 5) + 1$

8) $-7(4 - 3x) = -112$

9) $2(1 - 8x) = 98$

10) $-112 = -8(x + 8)$

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Solve each equation.

1) $8r - 3(2 - r) = 82$

2) $160 = -4(2 - 7n)$

3) $5(6a - 7) = 85$

4) $-5(3 - 7m) = -225$

5) $4(-1 - 6x) = 140$

6) $-5(5 + 2x) = -95$

7) $252 = 7(6 + 5p)$

8) $-108 = -3(4n + 8)$

9) $133 = -7(-5 - 2x)$

10) $269 = 3(8k + 7) + 7k$

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Solve each equation.

1) $102 = 3(4x + 2)$

2) $-85 = -5(1 + 2p)$

3) $6(3v - 5) + 2v = 90$

4) $-v + 6(v - 7) = -82$

5) $-106 = -6(-3a + 8) - 4$

6) $-255 = 5(6n - 3)$

7) $-192 = 4(-6x - 6)$

8) $-2(k - 5) - 8k = 90$

9) $-7(8m + 3) - 6 = -419$

10) $-8 + 5(5 + 6p) = 107$

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Solve each equation.

1) $-8(3a + 7) = -176$

2) $-8(5 - 6r) = 344$

3) $8(1 - 6m) = 152$

4) $-96 = -8(4a + 8)$

5) $-209 = 2n - 7(7 + 6n)$

6) $5(-5 + 3a) = -130$

7) $6(8v + 8) + 6 = 390$

8) $-7(k - 5) - 6k = 87$

9) $7(1 + 2x) = 119$

10) $-273 = 7(1 + 8n)$

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Solve each equation.

1) $96 = -8(x - 4)$

2) $-112 = -8(v + 8)$

3) $216 = 6(1 - 5n) - 5n$

4) $144 = -4x - 4(6x - 8)$

5) $126 = 3(8n - 6)$

6) $120 = -8(n - 8)$

7) $162 = 8 + 7(-3m + 7)$

8) $7(1 - 3r) = -140$

9) $83 = -8(n - 6) + 3n$

10) $3 + 7(4x + 4) = 227$