

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $12b^2 = 1$

2)  $5n^2 - 44 = 9n$

3)  $6n^2 - 22 = 11n$

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

5)  $9x^2 - 10x = 6$

6)  $11m^2 - 11m = 10$

7)  $10x^2 - 17 = -2x$

8)  $4k^2 - 11k = -2$

9)  $8p^2 - 13 = -10p$

10)  $2x^2 - 99 = 7x$

11)  $4k^2 - 7 = -9k$

12)  $3a^2 = 27$

13)  $b^2 - 11 = -10b$

14)  $10r^2 - 9 = 0$

15)  $4a^2 - 12a = 16$

16)  $4n^2 = -12n + 6$

17)  $4r^2 = 8$

18)  $6b^2 - 2b = 3$

19)  $x^2 - 49 = 0$

20)  $6a^2 - 1 = -5a$

21)  $10n^2 = 3n + 2$

22)  $x^2 - 25 = 0$

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $12b^2 = 1$

2)  $5n^2 - 44 = 9n$

{0.289, -0.289}

{4, -2.2}

3)  $6n^2 - 22 = 11n$

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

{3.04, -1.206}

{2.545, -0.295}

5)  $9x^2 - 10x = 6$

6)  $11m^2 - 11m = 10$

{1.543, -0.432}

{1.577, -0.577}

7)  $10x^2 - 17 = -2x$

8)  $4k^2 - 11k = -2$

{1.208, -1.408}

{2.554, 0.196}

9)  $8p^2 - 13 = -10p$

10)  $2x^2 - 99 = 7x$

{0.795, -2.045}

{9, -5.5}

11)  $4k^2 - 7 = -9k$

12)  $3a^2 = 27$

{0.612, -2.862}

{3, -3}

13)  $b^2 - 11 = -10b$

14)  $10r^2 - 9 = 0$

{1, -11}

{0.949, -0.949}

15)  $4a^2 - 12a = 16$

16)  $4n^2 = -12n + 6$

{4, -1}

{0.436, -3.436}

17)  $4r^2 = 8$

18)  $6b^2 - 2b = 3$

{1.414, -1.414}

{0.893, -0.56}

19)  $x^2 - 49 = 0$

20)  $6a^2 - 1 = -5a$

{7, -7}

{0.167, -1}

21)  $10n^2 = 3n + 2$

22)  $x^2 - 25 = 0$

{0.622, -0.322}

{5, -5}

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $3n^2 = 10$

2)  $4b^2 - 5b = 6$

3)  $n^2 = -10n - 24$

4)  $6n^2 - n = 57$

5)  $a^2 - 8a = 9$

6)  $3m^2 - 35 = 8m$

7)  $2x^2 + 12x = 15$

8)  $2n^2 - 6 = 0$

9)  $2r^2 = 5r + 7$

10)  $5m^2 + 2 = 11m$

11)  $12m^2 - 12 = -11m$

12)  $3x^2 + 9x = -4$

13)  $7x^2 - 5x = -10$

14)  $n^2 + 28 = 11n$

15)  $8a^2 + 8a = 23$

16)  $n^2 = 1$

17)  $4n^2 + 10n = -4$

18)  $5n^2 - 7n = -8$

19)  $x^2 = 100$

20)  $8k^2 - 21 = 0$

21)  $6k^2 - 4k = 130$

22)  $3n^2 + 8n = 60$

## Assignment

**Solve each equation with the quadratic formula.**

1)  $3n^2 = 10$

{1.826, -1.826}

2)  $4b^2 - 5b = 6$

{2, -0.75}

3)  $n^2 = -10n - 24$

{-4, -6}

4)  $6n^2 - n = 57$

{3.167, -3}

5)  $a^2 - 8a = 9$

{9, -1}

6)  $3m^2 - 35 = 8m$

{5, -2.333}

7)  $2x^2 + 12x = 15$

{1.062, -7.062}

8)  $2n^2 - 6 = 0$

{1.732, -1.732}

9)  $2r^2 = 5r + 7$

{3.5, -1}

10)  $5m^2 + 2 = 11m$

{2, 0.2}

11)  $12m^2 - 12 = -11m$

{0.642, -1.558}

12)  $3x^2 + 9x = -4$

{-0.543, -2.457}

13)  $7x^2 - 5x = -10$

No solution.

14)  $n^2 + 28 = 11n$

{7, 4}

15)  $8a^2 + 8a = 23$

{1.268, -2.268}

16)  $n^2 = 1$

{1, -1}

17)  $4n^2 + 10n = -4$

{-0.5, -2}

18)  $5n^2 - 7n = -8$

No solution.

19)  $x^2 = 100$

{10, -10}

20)  $8k^2 - 21 = 0$

{1.62, -1.62}

21)  $6k^2 - 4k = 130$

{5, -4.333}

22)  $3n^2 + 8n = 60$

{3.333, -6}

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $4p^2 = 8p - 6$

2)  $11p^2 = 15 + 6p$

3)  $7r^2 - 17 = 4r$

4)  $7p^2 = 17$

5)  $12x^2 = -1 + 6x$

6)  $m^2 - 4m = 12$

7)  $6x^2 - 12 = -7x$

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

9)  $2v^2 - 54 = -12v$

10)  $2x^2 - 21 = -11x$

11)  $6v^2 - 8 = 6v$

12)  $4b^2 = 4$

13)  $3b^2 = 22$

14)  $11x^2 - 11x = 6$

15)  $6n^2 + 12n = 19$

16)  $2x^2 - 11 = 0$

17)  $7v^2 - 6 = -2v$

18)  $b^2 = 81$

19)  $5n^2 - 5n = 10$

20)  $3m^2 - 1 = 6m$

21)  $4m^2 - 9 = 9m$

22)  $10n^2 - 22 = -3n$

## Assignment

**Solve each equation with the quadratic formula.**

1)  $4p^2 = 8p - 6$

No solution.

2)  $11p^2 = 15 + 6p$

{1.472, -0.926}

3)  $7r^2 - 17 = 4r$

{1.87, -1.299}

4)  $7p^2 = 17$

{1.558, -1.558}

5)  $12x^2 = -1 + 6x$

No solution.

6)  $m^2 - 4m = 12$

{6, -2}

7)  $6x^2 - 12 = -7x$

{0.946, -2.113}

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

{-2}

9)  $2v^2 - 54 = -12v$

{3, -9}

10)  $2x^2 - 21 = -11x$

{1.5, -7}

11)  $6v^2 - 8 = 6v$

{1.758, -0.758}

12)  $4b^2 = 4$

{1, -1}

13)  $3b^2 = 22$

{2.708, -2.708}

14)  $11x^2 - 11x = 6$

{1.392, -0.392}

15)  $6n^2 + 12n = 19$

{1.041, -3.041}

16)  $2x^2 - 11 = 0$

{2.345, -2.345}

17)  $7v^2 - 6 = -2v$

{0.794, -1.08}

18)  $b^2 = 81$

{9, -9}

19)  $5n^2 - 5n = 10$

{2, -1}

20)  $3m^2 - 1 = 6m$

{2.155, -0.155}

21)  $4m^2 - 9 = 9m$

{3, -0.75}

22)  $10n^2 - 22 = -3n$

{1.341, -1.641}

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $5n^2 = -10 - 12n$

2)  $b^2 - 5b = 8$

3)  $6k^2 - 3 = 8k$

4)  $10r^2 = 20$

5)  $11r^2 + 12r = 8$

6)  $12x^2 + 7x = 15$

7)  $4n^2 = 14$

8)  $x^2 - 7x = 78$

9)  $5a^2 - 19 = -11a$

10)  $2p^2 - 50 = 0$

11)  $2k^2 + 1 = 0$

12)  $2x^2 + 6x = 3$

13)  $6x^2 - 16 = -12x$

14)  $4m^2 + 4m = 8$

15)  $2n^2 = 11 - 9n$

16)  $4n^2 + 3 = 0$

17)  $5x^2 - 7x = 6$

18)  $8r^2 = 9r + 4$

19)  $11x^2 + 10x = 23$

20)  $6m^2 - 11 = 0$

21)  $6x^2 - 100 = -x$

22)  $k^2 = 16 - 4k$

Algebra 1

Name\_\_\_\_\_

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $5n^2 = -10 - 12n$

2)  $b^2 - 5b = 8$

No solution.

{6.275, -1.275}

3)  $6k^2 - 3 = 8k$

4)  $10r^2 = 20$

{1.638, -0.305}

{1.414, -1.414}

5)  $11r^2 + 12r = 8$

6)  $12x^2 + 7x = 15$

{0.467, -1.558}

{0.864, -1.447}

7)  $4n^2 = 14$

8)  $x^2 - 7x = 78$

{1.871, -1.871}

{13, -6}

9)  $5a^2 - 19 = -11a$

10)  $2p^2 - 50 = 0$

{1.138, -3.338}

{5, -5}

11)  $2k^2 + 1 = 0$

12)  $2x^2 + 6x = 3$

No solution.

{0.436, -3.436}

13)  $6x^2 - 16 = -12x$

14)  $4m^2 + 4m = 8$

{0.915, -2.915}

{1, -2}

15)  $2n^2 = 11 - 9n$

16)  $4n^2 + 3 = 0$

{1, -5.5}

No solution.

17)  $5x^2 - 7x = 6$

18)  $8r^2 = 9r + 4$

{2, -0.6}

{1.466, -0.341}

19)  $11x^2 + 10x = 23$

20)  $6m^2 - 11 = 0$

{1.061, -1.97}

{1.354, -1.354}

21)  $6x^2 - 100 = -x$

22)  $k^2 = 16 - 4k$

{4, -4.167}

{2.472, -6.472}

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $6v^2 - 96 = 0$

2)  $6p^2 = 30 + 3p$

3)  $n^2 = 36$

4)  $11p^2 - 15 = -3p$

5)  $3p^2 = 27$

6)  $5k^2 - 2k = 39$

7)  $6b^2 - 36 = -6b$

8)  $5r^2 + 6 = 11r$

9)  $4x^2 - 10x = 15$

10)  $3m^2 = -12m + 21$

11)  $7x^2 - 16 = -8x$

12)  $4v^2 = -9 - 11v$

13)  $8v^2 - 11v = 11$

14)  $4m^2 - 4 = 0$

15)  $5m^2 - 80 = 0$

16)  $3n^2 + 4n = 95$

17)  $5p^2 + 1 = 9p$

18)  $9p^2 + 5p = 12$

19)  $x^2 = 4$

20)  $6x^2 - 112 = -4x$

21)  $x^2 + 5 = 0$

22)  $4p^2 = 1$

Algebra 1

Name\_\_\_\_\_

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $6v^2 - 96 = 0$

2)  $6p^2 = 30 + 3p$

{4, -4}

{2.5, -2}

3)  $n^2 = 36$

4)  $11p^2 - 15 = -3p$

{6, -6}

{1.039, -1.312}

5)  $3p^2 = 27$

6)  $5k^2 - 2k = 39$

{3, -3}

{3, -2.6}

7)  $6b^2 - 36 = -6b$

8)  $5r^2 + 6 = 11r$

{2, -3}

{1.2, 1}

9)  $4x^2 - 10x = 15$

10)  $3m^2 = -12m + 21$

{3.555, -1.055}

{1.317, -5.317}

11)  $7x^2 - 16 = -8x$

12)  $4v^2 = -9 - 11v$

{1.045, -2.188}

No solution.

13)  $8v^2 - 11v = 11$

14)  $4m^2 - 4 = 0$

{2.047, -0.672}

{1, -1}

15)  $5m^2 - 80 = 0$

16)  $3n^2 + 4n = 95$

{4, -4}

{5, -6.333}

17)  $5p^2 + 1 = 9p$

18)  $9p^2 + 5p = 12$

{1.681, 0.119}

{0.91, -1.465}

19)  $x^2 = 4$

20)  $6x^2 - 112 = -4x$

{2, -2}

{4, -4.667}

21)  $x^2 + 5 = 0$

22)  $4p^2 = 1$

No solution.

{0.5, -0.5}

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $6b^2 + 9b = 20$

2)  $4v^2 + 8v = -4$

3)  $8k^2 = -9 + 3k$

4)  $10n^2 - 11 = -11n$

5)  $3p^2 - 11 = 8p$

6)  $11v^2 - 8 = 5v$

7)  $4k^2 + 2 = 0$

8)  $4x^2 - 34 = 9x$

9)  $k^2 = k + 7$

10)  $2v^2 = 9v + 143$

11)  $3b^2 - 18 = -6b$

12)  $n^2 = 15 + 3n$

13)  $10x^2 = 24$

14)  $r^2 + 8 = -10r$

15)  $4a^2 + 3a = 45$

16)  $2v^2 - 9 = -7v$

17)  $9x^2 = 17 + 10x$

18)  $2r^2 - 32 = 12r$

19)  $3n^2 - 144 = -11n$

20)  $4p^2 = 6p + 21$

21)  $x^2 - 66 = -5x$

22)  $4b^2 = -6 + 9b$

## Assignment

**Solve each equation with the quadratic formula.**

1)  $6b^2 + 9b = 20$

2)  $4v^2 + 8v = -4$

{1.224, -2.724}

{-1}

3)  $8k^2 = -9 + 3k$

4)  $10n^2 - 11 = -11n$

No solution.

{0.634, -1.734}

5)  $3p^2 - 11 = 8p$

6)  $11v^2 - 8 = 5v$

{3.667, -1}

{1.11, -0.655}

7)  $4k^2 + 2 = 0$

8)  $4x^2 - 34 = 9x$

No solution.

{4.25, -2}

9)  $k^2 = k + 7$

10)  $2v^2 = 9v + 143$

{3.193, -2.193}

{11, -6.5}

11)  $3b^2 - 18 = -6b$

12)  $n^2 = 15 + 3n$

{1.646, -3.646}

{5.653, -2.653}

13)  $10x^2 = 24$

14)  $r^2 + 8 = -10r$

{1.549, -1.549}

{-0.877, -9.123}

15)  $4a^2 + 3a = 45$

16)  $2v^2 - 9 = -7v$

{3, -3.75}

{1, -4.5}

17)  $9x^2 = 17 + 10x$

18)  $2r^2 - 32 = 12r$

{2.038, -0.927}

{8, -2}

19)  $3n^2 - 144 = -11n$

20)  $4p^2 = 6p + 21$

{5.333, -9}

{3.161, -1.661}

21)  $x^2 - 66 = -5x$

22)  $4b^2 = -6 + 9b$

{6, -11}

No solution.

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $4a^2 = -8a + 22$

2)  $10p^2 - 4p = 15$

3)  $3v^2 = 27$

4)  $5x^2 = 8x + 112$

5)  $9n^2 = 17$

6)  $2v^2 = 24$

7)  $r^2 = 15$

8)  $9x^2 = 12 + 8x$

9)  $2x^2 - 8 = 0$

10)  $8r^2 - 6 = -7r$

11)  $2p^2 - 18 = 0$

12)  $11x^2 - 20 = 7x$

13)  $4n^2 = 34 + 9n$

14)  $6x^2 = -x + 57$

15)  $6b^2 + 11 = 0$

16)  $4n^2 = 13 - 2n$

17)  $6n^2 + n = 126$

18)  $2k^2 - 5k = 18$

19)  $9m^2 = -5$

20)  $6n^2 - n = 4$

21)  $6n^2 = 140 - 2n$

22)  $11v^2 = 8v - 3$

## Assignment

**Solve each equation with the quadratic formula.**

1)  $4a^2 = -8a + 22$

{1.55, -3.55}

2)  $10p^2 - 4p = 15$

{1.441, -1.041}

3)  $3v^2 = 27$

{3, -3}

4)  $5x^2 = 8x + 112$

{5.6, -4}

5)  $9n^2 = 17$

{1.374, -1.374}

6)  $2v^2 = 24$

{3.464, -3.464}

7)  $r^2 = 15$

{3.873, -3.873}

8)  $9x^2 = 12 + 8x$

{1.682, -0.793}

9)  $2x^2 - 8 = 0$

{2, -2}

10)  $8r^2 - 6 = -7r$

{0.533, -1.408}

11)  $2p^2 - 18 = 0$

{3, -3}

12)  $11x^2 - 20 = 7x$

{1.704, -1.067}

13)  $4n^2 = 34 + 9n$

{4.25, -2}

14)  $6x^2 = -x + 57$

{3, -3.167}

15)  $6b^2 + 11 = 0$

No solution.

16)  $4n^2 = 13 - 2n$

{1.57, -2.07}

17)  $6n^2 + n = 126$

{4.5, -4.667}

18)  $2k^2 - 5k = 18$

{4.5, -2}

19)  $9m^2 = -5$

No solution.

20)  $6n^2 - n = 4$

{0.904, -0.737}

21)  $6n^2 = 140 - 2n$

{4.667, -5}

22)  $11v^2 = 8v - 3$

No solution.

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $10n^2 - 9 = 7n$

2)  $2r^2 = -4r + 70$

3)  $3x^2 - 30 = x$

4)  $10p^2 - 12 = 0$

5)  $12r^2 = 9$

6)  $2n^2 = -2n + 15$

7)  $5b^2 - 5 = 0$

8)  $3n^2 = -7n + 6$

9)  $6x^2 = -8 + 8x$

10)  $x^2 = -5x - 6$

11)  $4n^2 = -11n + 119$

12)  $4x^2 = 100$

13)  $4p^2 + 12p = 91$

14)  $3x^2 = 8 + x$

15)  $7n^2 + 11 = 9n$

16)  $3r^2 - 13 = -5r$

17)  $12b^2 = -1 + 11b$

18)  $3k^2 - k = 4$

19)  $6x^2 - 3 = -3x$

20)  $2x^2 = -18 + 12x$

21)  $2x^2 - 9 = 3x$

22)  $p^2 + 6p = 12$

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $10n^2 - 9 = 7n$

2)  $2r^2 = -4r + 70$

{1.361, -0.661}

{5, -7}

3)  $3x^2 - 30 = x$

4)  $10p^2 - 12 = 0$

{3.333, -3}

{1.095, -1.095}

5)  $12r^2 = 9$

6)  $2n^2 = -2n + 15$

{0.866, -0.866}

{2.284, -3.284}

7)  $5b^2 - 5 = 0$

8)  $3n^2 = -7n + 6$

{1, -1}

{0.667, -3}

9)  $6x^2 = -8 + 8x$

10)  $x^2 = -5x - 6$

No solution.

{-2, -3}

11)  $4n^2 = -11n + 119$

12)  $4x^2 = 100$

{4.25, -7}

{5, -5}

13)  $4p^2 + 12p = 91$

14)  $3x^2 = 8 + x$

{3.5, -6.5}

{1.808, -1.475}

15)  $7n^2 + 11 = 9n$

16)  $3r^2 - 13 = -5r$

No solution.

{1.409, -3.076}

17)  $12b^2 = -1 + 11b$

18)  $3k^2 - k = 4$

{0.814, 0.102}

{1.333, -1}

19)  $6x^2 - 3 = -3x$

20)  $2x^2 = -18 + 12x$

{0.5, -1}

{3}

21)  $2x^2 - 9 = 3x$

22)  $p^2 + 6p = 12$

{3, -1.5}

{1.583, -7.583}

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $2x^2 = 84 - 2x$

2)  $8n^2 - 11n = 5$

3)  $b^2 - 8 = 7b$

4)  $3v^2 + 7v = -12$

5)  $6r^2 - 4r = 112$

6)  $5k^2 = 80$

7)  $6x^2 - 5 = -5x$

8)  $x^2 = 5 - 4x$

9)  $4x^2 + 12 = -6x$

10)  $b^2 - 21 = -4b$

11)  $5n^2 = 3n + 3$

12)  $2x^2 - 2x = 15$

13)  $6x^2 - 3 = 0$

14)  $2v^2 = 18$

15)  $2x^2 + 7x = 60$

16)  $6r^2 = -2 + r$

17)  $8x^2 - 12 = -5x$

18)  $9p^2 - 12 = -4p$

19)  $a^2 - 2 = 8a$

20)  $5n^2 - 51 = -2n$

21)  $n^2 = 39 - 10n$

22)  $3v^2 - 8v = -3$

## Assignment

**Solve each equation with the quadratic formula.**

1)  $2x^2 = 84 - 2x$

2)  $8n^2 - 11n = 5$

{6, -7}

{1.735, -0.36}

3)  $b^2 - 8 = 7b$

4)  $3v^2 + 7v = -12$

{8, -1}

No solution.

5)  $6r^2 - 4r = 112$

6)  $5k^2 = 80$

{4.667, -4}

{4, -4}

7)  $6x^2 - 5 = -5x$

8)  $x^2 = 5 - 4x$

{0.587, -1.42}

{1, -5}

9)  $4x^2 + 12 = -6x$

10)  $b^2 - 21 = -4b$

No solution.

{3, -7}

11)  $5n^2 = 3n + 3$

12)  $2x^2 - 2x = 15$

{1.131, -0.531}

{3.284, -2.284}

13)  $6x^2 - 3 = 0$

14)  $2v^2 = 18$

{0.707, -0.707}

{3, -3}

15)  $2x^2 + 7x = 60$

16)  $6r^2 = -2 + r$

{4, -7.5}

No solution.

17)  $8x^2 - 12 = -5x$

18)  $9p^2 - 12 = -4p$

{0.951, -1.576}

{0.954, -1.398}

19)  $a^2 - 2 = 8a$

20)  $5n^2 - 51 = -2n$

{8.243, -0.243}

{3, -3.4}

21)  $n^2 = 39 - 10n$

22)  $3v^2 - 8v = -3$

{3, -13}

{2.215, 0.451}

## Assignment

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $2x^2 = 140 + 6x$

2)  $5x^2 - 23 = 8x$

3)  $2p^2 - 18 = 6p$

4)  $2x^2 = -12x + 32$

5)  $4p^2 - 9 = 0$

6)  $10b^2 + 10b = 13$

7)  $9x^2 - 24 = -11x$

8)  $6n^2 = -5n + 11$

9)  $6a^2 - 10 = 11a$

10)  $3a^2 - 10a = 23$

11)  $k^2 - 98 = 7k$

12)  $11p^2 + 7 = -4p$

13)  $8n^2 = 7n + 13$

14)  $3p^2 + 4p = 132$

15)  $2n^2 = 10n + 48$

16)  $2b^2 + 7b = 114$

17)  $6b^2 - 13 = -10b$

18)  $3m^2 - 2 = -9m$

19)  $6n^2 + 3 = n$

20)  $2m^2 = 22$

21)  $x^2 - 60 = -7x$

22)  $4n^2 - 7n = 30$

## Assignment

**Solve each equation with the quadratic formula.**

1)  $2x^2 = 140 + 6x$

2)  $5x^2 - 23 = 8x$

{10, -7}

{3.089, -1.489}

3)  $2p^2 - 18 = 6p$

4)  $2x^2 = -12x + 32$

{4.854, -1.854}

{2, -8}

5)  $4p^2 - 9 = 0$

6)  $10b^2 + 10b = 13$

{1.5, -1.5}

{0.745, -1.745}

7)  $9x^2 - 24 = -11x$

8)  $6n^2 = -5n + 11$

{1.132, -2.355}

{1, -1.833}

9)  $6a^2 - 10 = 11a$

10)  $3a^2 - 10a = 23$

{2.5, -0.667}

{4.898, -1.565}

11)  $k^2 - 98 = 7k$

12)  $11p^2 + 7 = -4p$

{14, -7}

No solution.

13)  $8n^2 = 7n + 13$

14)  $3p^2 + 4p = 132$

{1.785, -0.91}

{6, -7.333}

15)  $2n^2 = 10n + 48$

16)  $2b^2 + 7b = 114$

{8, -3}

{6, -9.5}

17)  $6b^2 - 13 = -10b$

18)  $3m^2 - 2 = -9m$

{0.858, -2.525}

{0.208, -3.208}

19)  $6n^2 + 3 = n$

20)  $2m^2 = 22$

No solution.

{3.317, -3.317}

21)  $x^2 - 60 = -7x$

22)  $4n^2 - 7n = 30$

{5, -12}

{3.75, -2}