Resolver Cuadráticas (A)

Resuelva cada ecuación en función de x.

1. $-54x^2 - 36x + 18 = 0$
2. $-35x^2 - 4x + 63 = 0$
3. $-49x^2 + 28x + 32 = 0$
4. $72x^2 + 77x + 20 = 0$
5. $16x^2 + 36x + 8 = 0$
6. $-24x^2 + 41x + 35 = 0$
7. $24x^2 - 28x + 8 = 0$
8. $-72x^2 - 63x + 9 = 0$
9. $12x^2 - 19x + 5 = 0$
10. $6x^2 - 44x + 14 = 0$
11. $-9x^2 + 1 = 0$
12. $28x^2 + 27x + 5 = 0$

Resolver Cuadráticas (A) Respuestas

Resuelva cada ecuación en función de x.

1. $-54x^2 - 36x + 18 = 0$
$-(9x + 9)\ (6x - 2) = 0$
$x = -1\ ,\ \ 1/3$

2. $-35x^2 - 4x + 63 = 0$
$(5x + 7)\ (7x - 9) = 0$
$x = -1\ 2/5,\ \ 1\ 2/7$

3. $-49x^2 + 28x + 32 = 0$
$(7x - 8)\ (7x + 4) = 0$
$x = 1\ 1/7,\ \ -\ 4/7$

4. $72x^2 + 77x + 20 = 0$
$(8x + 5)\ (9x + 4) = 0$
$x = -\ 5/8,\ \ -\ 4/9$

5. $16x^2 + 36x + 8 = 0$
$(2x + 4)\ (8x + 2) = 0$
$x = -2\ ,\ \ -\ 1/4$

6. $-24x^2 + 41x + 35 = 0$
$(3x - 7)\ (8x + 5) = 0$
$x = 2\ 1/3,\ \ -\ 5/8$

7. $24x^2 - 28x + 8 = 0$
$(4x - 2)\ (6x - 4) = 0$
$x = \ 1/2,\ \ 2/3$

8. $-72x^2 - 63x + 9 = 0$
$-(9x + 9)\ (8x - 1) = 0$
$x = -1\ ,\ \ 1/8$

9. $12x^2 - 19x + 5 = 0$
$(4x - 5)\ (3x - 1) = 0$
$x = 1\ 1/4,\ \ 1/3$

10. $6x^2 - 44x + 14 = 0$
$(x - 7)\ (6x - 2) = 0$
$x = 7\ ,\ \ 1/3$

11. $-9x^2 + 1 = 0$
$-(3x + 1)\ (3x - 1) = 0$
$x = -\ 1/3,\ \ 1/3$

12. $28x^2 + 27x + 5 = 0$
$(7x + 5)\ (4x + 1) = 0$
$x = -\ 5/7,\ \ -\ 1/4$

Resolver Cuadráticas (B)

Resuelva cada ecuación en función de x.

1. $-18x^2 - 44x + 30 = 0$
2. $-16x^2 - 4x + 2 = 0$
3. $45x^2 + 54x + 9 = 0$
4. $-18x^2 - 18x + 8 = 0$
5. $-63x^2 - 29x + 24 = 0$
6. $-4x^2 + 11x + 45 = 0$
7. $-6x^2 + 9x + 42 = 0$
8. $64x^2 - 64x + 15 = 0$
9. $-27x^2 - 33x + 42 = 0$
10. $3x^2 - 12x + 12 = 0$
11. $-30x^2 - 13x + 10 = 0$
12. $24x^2 + 16x + 2 = 0$

Resolver Cuadráticas (B) Respuestas

Resuelva cada ecuación en función de x.

1. $-18x^2 - 44x + 30 = 0$
$-(9x - 5)(2x + 6) = 0$
$x = 5/9, \ -3$

2. $-16x^2 - 4x + 2 = 0$
$(4x - 1)(4x + 2) = 0$
$x = 1/4, \ -1/2$

3. $45x^2 + 54x + 9 = 0$
$(5x + 1)(9x + 9) = 0$
$x = -1/5, \ -1$

4. $-18x^2 - 18x + 8 = 0$
$-(3x - 1)(6x + 8) = 0$
$x = 1/3, \ -1\ 1/3$

5. $-63x^2 - 29x + 24 = 0$
$(9x + 8)(7x - 3) = 0$
$x = -8/9, \ 3/7$

6. $-4x^2 + 11x + 45 = 0$
$(4x + 9)(x - 5) = 0$
$x = -2\ 1/4, \ 5$

7. $-6x^2 + 9x + 42 = 0$
$-(3x + 6)(2x - 7) = 0$
$x = -2 \ , \ 3\ 1/2$

8. $64x^2 - 64x + 15 = 0$
$(8x - 5)(8x - 3) = 0$
$x = 5/8, \ 3/8$

9. $-27x^2 - 33x + 42 = 0$
$-(9x - 7)(3x + 6) = 0$
$x = 7/9, \ -2$

10. $3x^2 - 12x + 12 = 0$
$(3x - 6)(x - 2) = 0$
$x = 2$

11. $-30x^2 - 13x + 10 = 0$
$-(5x - 2)(6x + 5) = 0$
$x = 2/5, \ -5/6$

12. $24x^2 + 16x + 2 = 0$
$(6x + 1)(4x + 2) = 0$
$x = -1/6, \ -1/2$

Resolver Cuadráticas (C)

Resuelva cada ecuación en función de x.

1. $56x^2 + 87x + 27 = 0$

2. $-45x^2 + 24x + 36 = 0$

3. $-2x^2 + 15x + 27 = 0$

4. $-36x^2 - 42x + 18 = 0$

5. $-48x^2 - 16x + 64 = 0$

6. $54x^2 - 84x + 30 = 0$

7. $36x^2 - 109x + 63 = 0$

8. $-10x^2 - 37x + 36 = 0$

9. $-21x^2 + 25x + 56 = 0$

10. $-8x^2 - 12x + 36 = 0$

11. $-40x^2 + 15x + 25 = 0$

12. $-20x^2 - 11x + 4 = 0$

Resolver Cuadráticas (C) Respuestas

Resuelva cada ecuación en función de x.

1. $56x^2 + 87x + 27 = 0$
   $(8x + 9)\ (7x + 3) = 0$
   $x = -1\ 1/8,\ \ -3/7$

2. $-45x^2 + 24x + 36 = 0$
   $(9x + 6)\ (5x - 6) = 0$
   $x = -\ 2/3,\ \ 1\ 1/5$

3. $-2x^2 + 15x + 27 = 0$
   $(2x + 3)\ (x - 9) = 0$
   $x = -1\ 1/2,\ \ 9$

4. $-36x^2 - 42x + 18 = 0$
   $-(4x + 6)\ (9x - 3) = 0$
   $x = -1\ 1/2,\ \ \ 1/3$

5. $-48x^2 - 16x + 64 = 0$
   $(6x + 8)\ (8x - 8) = 0$
   $x = -1\ 1/3,\ \ 1$

6. $54x^2 - 84x + 30 = 0$
   $(9x - 5)\ (6x - 6) = 0$
   $x = \ 5/9,\ \ 1$

7. $36x^2 - 109x + 63 = 0$
   $(4x - 9)\ (9x - 7) = 0$
   $x = 2\ 1/4,\ \ \ 7/9$

8. $-10x^2 - 37x + 36 = 0$
   $-(5x - 4)\ (2x + 9) = 0$
   $x = \ 4/5,\ \ -4\ 1/2$

9. $-21x^2 + 25x + 56 = 0$
   $-(7x + 8)\ (3x - 7) = 0$
   $x = -1\ 1/7,\ \ 2\ 1/3$

10. $-8x^2 - 12x + 36 = 0$
    $-(4x - 6)\ (2x + 6) = 0$
    $x = 1\ 1/2,\ \ -3$

11. $-40x^2 + 15x + 25 = 0$
    $-(8x + 5)\ (5x - 5) = 0$
    $x = -\ 5/8,\ \ 1$

12. $-20x^2 - 11x + 4 = 0$
    $-(4x - 1)\ (5x + 4) = 0$
    $x = \ 1/4,\ \ -\ 4/5$

Resolver Cuadráticas (D)

Resuelva cada ecuación en función de x.

1. $15x^2 + 46x + 35 = 0$
2. $-14x^2 + 25x + 25 = 0$
3. $18x^2 - 45x + 18 = 0$
4. $48x^2 + 56x + 16 = 0$
5. $-36x^2 + 6x + 20 = 0$
6. $27x^2 - 39x + 12 = 0$
7. $-21x^2 - 27x + 30 = 0$
8. $-64x^2 + 56x + 18 = 0$
9. $-5x^2 - 38x + 16 = 0$
10. $28x^2 - 72x + 32 = 0$
11. $36x^2 + 12x + 1 = 0$
12. $28x^2 - 73x + 42 = 0$

Resolver Cuadráticas (D) Respuestas

Resuelva cada ecuación en función de x.

1. $15x^2 + 46x + 35 = 0$
   $(5x + 7)\ (3x + 5) = 0$
   $x = -1\ 2/5,\ \ -1\ 2/3$

2. $-14x^2 + 25x + 25 = 0$
   $(7x + 5)\ (2x - 5) = 0$
   $x = -\ 5/7,\ \ 2\ 1/2$

3. $18x^2 - 45x + 18 = 0$
   $(6x - 3)\ (3x - 6) = 0$
   $x = \ 1/2,\ \ 2$

4. $48x^2 + 56x + 16 = 0$
   $(6x + 4)\ (8x + 4) = 0$
   $x = -\ 2/3,\ \ -\ 1/2$

5. $-36x^2 + 6x + 20 = 0$
   $(6x - 5)\ (6x + 4) = 0$
   $x = \ 5/6,\ \ -\ 2/3$

6. $27x^2 - 39x + 12 = 0$
   $(9x - 4)\ (3x - 3) = 0$
   $x = \ 4/9,\ \ 1$

7. $-21x^2 - 27x + 30 = 0$
   $-(7x - 5)\ (3x + 6) = 0$
   $x = \ 5/7,\ \ -2$

8. $-64x^2 + 56x + 18 = 0$
   $-(8x - 9)\ (8x + 2) = 0$
   $x = 1\ 1/8,\ \ -\ 1/4$

9. $-5x^2 - 38x + 16 = 0$
   $-(x + 8)\ (5x - 2) = 0$
   $x = -8\ ,\ \ \ 2/5$

10. $28x^2 - 72x + 32 = 0$
    $(4x - 8)\ (7x - 4) = 0$
    $x = 2\ ,\ \ \ 4/7$

11. $36x^2 + 12x + 1 = 0$
    $(6x + 1)\ (6x + 1) = 0$
    $x = -\ 1/6$

12. $28x^2 - 73x + 42 = 0$
    $(7x - 6)\ (4x - 7) = 0$
    $x = \ 6/7,\ \ 1\ 3/4$

Resolver Cuadráticas (E)

Resuelva cada ecuación en función de x.

1. $45x^2 - 106x + 45 = 0$

2. $-49x^2 + 7x + 6 = 0$

3. $-16x^2 + 38x + 5 = 0$

4. $7x^2 - 42x + 35 = 0$

5. $-27x^2 + 60x + 32 = 0$

6. $14x^2 + 36x + 16 = 0$

7. $-63x^2 + 42x + 21 = 0$

8. $36x^2 - 60x + 16 = 0$

9. $-42x^2 + 31x + 21 = 0$

10. $-x^2 + 3x + 54 = 0$

11. $5x^2 - 31x + 6 = 0$

12. $-56x^2 + 15x + 54 = 0$

Resolver Cuadráticas (E) Respuestas

Resuelva cada ecuación en función de x.

1. $45x^2 - 106x + 45 = 0$
$(5x - 9)(9x - 5) = 0$
$x = 1\ 4/5,\ \ 5/9$

2. $-49x^2 + 7x + 6 = 0$
$(7x - 3)(7x + 2) = 0$
$x = \ 3/7,\ \ -\ 2/7$

3. $-16x^2 + 38x + 5 = 0$
$(8x + 1)(2x - 5) = 0$
$x = -\ 1/8,\ \ 2\ 1/2$

4. $7x^2 - 42x + 35 = 0$
$(x - 5)(7x - 7) = 0$
$x = 5\ ,\ \ 1$

5. $-27x^2 + 60x + 32 = 0$
$(3x - 8)(9x + 4) = 0$
$x = 2\ 2/3,\ \ -\ 4/9$

6. $14x^2 + 36x + 16 = 0$
$(7x + 4)(2x + 4) = 0$
$x = -\ 4/7,\ \ -2$

7. $-63x^2 + 42x + 21 = 0$
$-(9x + 3)(7x - 7) = 0$
$x = -\ 1/3,\ \ 1$

8. $36x^2 - 60x + 16 = 0$
$(6x - 8)(6x - 2) = 0$
$x = 1\ 1/3,\ \ 1/3$

9. $-42x^2 + 31x + 21 = 0$
$-(7x + 3)(6x - 7) = 0$
$x = -\ 3/7,\ \ 1\ 1/6$

10. $-x^2 + 3x + 54 = 0$
$-(x + 6)(x - 9) = 0$
$x = -6\ ,\ \ 9$

11. $5x^2 - 31x + 6 = 0$
$(5x - 1)(x - 6) = 0$
$x = \ 1/5,\ \ 6$

12. $-56x^2 + 15x + 54 = 0$
$-(7x + 6)(8x - 9) = 0$
$x = -\ 6/7,\ \ 1\ 1/8$

Resolver Cuadráticas (F)

Resuelva cada ecuación en función de x.

1. $-21x^2 - 6x + 15 = 0$

2. $-54x^2 + 60x + 16 = 0$

3. $-24x^2 + 18x + 27 = 0$

4. $56x^2 + 93x + 27 = 0$

5. $40x^2 + 76x + 28 = 0$

6. $-72x^2 - 63x + 9 = 0$

7. $-18x^2 - 24x + 24 = 0$

8. $-81x^2 + 18x + 35 = 0$

9. $6x^2 - 50x + 56 = 0$

10. $-36x^2 + 13x + 40 = 0$

11. $-5x^2 + 28x + 49 = 0$

12. $-72x^2 + 31x + 5 = 0$

Resolver Cuadráticas (F) Respuestas

Resuelva cada ecuación en función de x.

1. $-21x^2 - 6x + 15 = 0$
$-(7x - 5)(3x + 3) = 0$
$x = 5/7, \ -1$

2. $-54x^2 + 60x + 16 = 0$
$(9x + 2)(6x - 8) = 0$
$x = -2/9, \ 1\ 1/3$

3. $-24x^2 + 18x + 27 = 0$
$(6x - 9)(4x + 3) = 0$
$x = 1\ 1/2, \ -3/4$

4. $56x^2 + 93x + 27 = 0$
$(8x + 3)(7x + 9) = 0$
$x = -3/8, \ -1\ 2/7$

5. $40x^2 + 76x + 28 = 0$
$(5x + 7)(8x + 4) = 0$
$x = -1\ 2/5, \ -1/2$

6. $-72x^2 - 63x + 9 = 0$
$(9x + 9)(8x - 1) = 0$
$x = -1 \ , \ 1/8$

7. $-18x^2 - 24x + 24 = 0$
$-(2x + 4)(9x - 6) = 0$
$x = -2 \ , \ 2/3$

8. $-81x^2 + 18x + 35 = 0$
$-(9x + 5)(9x - 7) = 0$
$x = -5/9, \ 7/9$

9. $6x^2 - 50x + 56 = 0$
$(x - 7)(6x - 8) = 0$
$x = 7 \ , \ 1\ 1/3$

10. $-36x^2 + 13x + 40 = 0$
$-(4x - 5)(9x + 8) = 0$
$x = 1\ 1/4, \ -8/9$

11. $-5x^2 + 28x + 49 = 0$
$-(x - 7)(5x + 7) = 0$
$x = 7 \ , \ -1\ 2/5$

12. $-72x^2 + 31x + 5 = 0$
$-(9x - 5)(8x + 1) = 0$
$x = 5/9, \ -1/8$

Resolver Cuadráticas (G)

Resuelva cada ecuación en función de x.

1. $3x^2 - 20x + 25 = 0$
2. $36x^2 - 63x + 27 = 0$
3. $6x^2 - 30x + 24 = 0$
4. $18x^2 - 72x + 64 = 0$
5. $5x^2 + 49x + 36 = 0$
6. $-14x^2 - 2x + 16 = 0$
7. $-18x^2 - 12x + 6 = 0$
8. $-9x^2 + 26x + 3 = 0$
9. $-30x^2 - 6x + 36 = 0$
10. $-14x^2 + 28x + 42 = 0$
11. $4x^2 + 18x + 18 = 0$
12. $-4x^2 - 10x + 6 = 0$

Resolver Cuadráticas (G) Respuestas

Resuelva cada ecuación en función de x.

1. $3x^2 - 20x + 25 = 0$
   $(x - 5)\ (3x - 5) = 0$
   $x = 5\ ,\ \ 1\ 2/3$

2. $36x^2 - 63x + 27 = 0$
   $(4x - 3)\ (9x - 9) = 0$
   $x = \ 3/4,\ \ 1$

3. $6x^2 - 30x + 24 = 0$
   $(3x - 3)\ (2x - 8) = 0$
   $x = 1\ ,\ \ 4$

4. $18x^2 - 72x + 64 = 0$
   $(6x - 8)\ (3x - 8) = 0$
   $x = 1\ 1/3,\ \ 2\ 2/3$

5. $5x^2 + 49x + 36 = 0$
   $(5x + 4)\ (x + 9) = 0$
   $x = -\ 4/5,\ \ -9$

6. $-14x^2 - 2x + 16 = 0$
   $(7x + 8)\ (2x - 2) = 0$
   $x = -1\ 1/7,\ \ 1$

7. $-18x^2 - 12x + 6 = 0$
   $-(2x + 2)\ (9x - 3) = 0$
   $x = -1\ ,\ \ \ 1/3$

8. $-9x^2 + 26x + 3 = 0$
   $-(9x + 1)\ (x - 3) = 0$
   $x = -\ 1/9,\ \ 3$

9. $-30x^2 - 6x + 36 = 0$
   $-(6x - 6)\ (5x + 6) = 0$
   $x = 1\ ,\ \ -1\ 1/5$

10. $-14x^2 + 28x + 42 = 0$
    $-(7x + 7)\ (2x - 6) = 0$
    $x = -1\ ,\ \ 3$

11. $4x^2 + 18x + 18 = 0$
    $(x + 3)\ (4x + 6) = 0$
    $x = -3\ ,\ \ -1\ 1/2$

12. $-4x^2 - 10x + 6 = 0$
    $-(x + 3)\ (4x - 2) = 0$
    $x = -3\ ,\ \ \ 1/2$

Resolver Cuadráticas (H)

Resuelva cada ecuación en función de x.

1. $-21x^2 - 12x + 9 = 0$

2. $5x^2 + 48x + 27 = 0$

3. $-12x^2 + 44x + 16 = 0$

4. $-48x^2 - 58x + 8 = 0$

5. $2x^2 - 11x + 12 = 0$

6. $5x^2 + 49x + 36 = 0$

7. $64x^2 + 96x + 35 = 0$

8. $20x^2 - 21x + 4 = 0$

9. $-49x^2 + 1 = 0$

10. $-10x^2 - 3x + 1 = 0$

11. $-8x^2 + 43x + 30 = 0$

12. $-2x^2 - 6x + 8 = 0$

Resolver Cuadráticas (H) Respuestas

Resuelva cada ecuación en función de x.

1. $-21x^2 - 12x + 9 = 0$
$-(3x + 3)(7x - 3) = 0$
$x = -1 \ , \ \ 3/7$

2. $5x^2 + 48x + 27 = 0$
$(x + 9)(5x + 3) = 0$
$x = -9 \ , \ -3/5$

3. $-12x^2 + 44x + 16 = 0$
$(2x - 8)(6x + 2) = 0$
$x = 4 \ , \ -1/3$

4. $-48x^2 - 58x + 8 = 0$
$-(8x - 1)(6x + 8) = 0$
$x = 1/8, \ -1\ 1/3$

5. $2x^2 - 11x + 12 = 0$
$(2x - 3)(x - 4) = 0$
$x = 1\ 1/2, \ 4$

6. $5x^2 + 49x + 36 = 0$
$(5x + 4)(x + 9) = 0$
$x = -4/5, \ -9$

7. $64x^2 + 96x + 35 = 0$
$(8x + 5)(8x + 7) = 0$
$x = -5/8, \ -7/8$

8. $20x^2 - 21x + 4 = 0$
$(4x - 1)(5x - 4) = 0$
$x = 1/4, \ \ 4/5$

9. $-49x^2 + 1 = 0$
$-(7x + 1)(7x - 1) = 0$
$x = -1/7, \ \ 1/7$

10. $-10x^2 - 3x + 1 = 0$
$-(2x + 1)(5x - 1) = 0$
$x = -1/2, \ \ 1/5$

11. $-8x^2 + 43x + 30 = 0$
$-(x - 6)(8x + 5) = 0$
$x = 6 \ , \ -5/8$

12. $-2x^2 - 6x + 8 = 0$
$-(2x - 2)(x + 4) = 0$
$x = 1 \ , \ -4$

Resolver Cuadráticas (I)

Resuelva cada ecuación en función de x.

1. $-35x^2 + 15x + 20 = 0$
2. $-64x^2 - 40x + 24 = 0$
3. $-18x^2 + 22x + 28 = 0$
4. $-35x^2 + 38x + 45 = 0$
5. $-6x^2 + 15x + 9 = 0$
6. $8x^2 + 26x + 6 = 0$
7. $-20x^2 - 19x + 6 = 0$
8. $-16x^2 + 4x + 12 = 0$
9. $40x^2 - 58x + 12 = 0$
10. $21x^2 - 74x + 48 = 0$
11. $54x^2 + 51x + 12 = 0$
12. $7x^2 + 62x + 48 = 0$

Resolver Cuadráticas (I) Respuestas

Resuelva cada ecuación en función de x.

1. $-35x^2 + 15x + 20 = 0$
$-(5x - 5)(7x + 4) = 0$
$x = 1 \ , \ -4/7$

2. $-64x^2 - 40x + 24 = 0$
$(8x + 8)(8x - 3) = 0$
$x = -1 \ , \ 3/8$

3. $-18x^2 + 22x + 28 = 0$
$(9x + 7)(2x - 4) = 0$
$x = -7/9, \ 2$

4. $-35x^2 + 38x + 45 = 0$
$-(7x + 5)(5x - 9) = 0$
$x = -5/7, \ 1\ 4/5$

5. $-6x^2 + 15x + 9 = 0$
$(6x + 3)(x - 3) = 0$
$x = -1/2, \ 3$

6. $8x^2 + 26x + 6 = 0$
$(4x + 1)(2x + 6) = 0$
$x = -1/4, \ -3$

7. $-20x^2 - 19x + 6 = 0$
$-(5x + 6)(4x - 1) = 0$
$x = -1\ 1/5, \ 1/4$

8. $-16x^2 + 4x + 12 = 0$
$-(8x + 6)(2x - 2) = 0$
$x = -3/4, \ 1$

9. $40x^2 - 58x + 12 = 0$
$(5x - 6)(8x - 2) = 0$
$x = 1\ 1/5, \ 1/4$

10. $21x^2 - 74x + 48 = 0$
$(7x - 6)(3x - 8) = 0$
$x = 6/7, \ 2\ 2/3$

11. $54x^2 + 51x + 12 = 0$
$(6x + 3)(9x + 4) = 0$
$x = -1/2, \ -4/9$

12. $7x^2 + 62x + 48 = 0$
$(x + 8)(7x + 6) = 0$
$x = -8 \ , \ -6/7$

Resolver Cuadráticas (J)

Resuelva cada ecuación en función de x.

1. $18x^2 - 27x + 9 = 0$

2. $x^2 + 11x + 24 = 0$

3. $54x^2 - 129x + 72 = 0$

4. $42x^2 - 71x + 30 = 0$

5. $-64x^2 + 24x + 40 = 0$

6. $-56x^2 + 49x + 7 = 0$

7. $-3x^2 + 20x + 32 = 0$

8. $32x^2 - 92x + 45 = 0$

9. $-21x^2 + x + 2 = 0$

10. $18x^2 - 51x + 21 = 0$

11. $25x^2 - 55x + 24 = 0$

12. $-72x^2 + 6x + 36 = 0$

Resolver Cuadráticas (J) Respuestas

Resuelva cada ecuación en función de x.

1. $18x^2 - 27x + 9 = 0$
$(2x - 1)(9x - 9) = 0$
$x = 1/2,\ 1$

2. $x^2 + 11x + 24 = 0$
$(x + 8)(x + 3) = 0$
$x = -8\ ,\ -3$

3. $54x^2 - 129x + 72 = 0$
$(6x - 9)(9x - 8) = 0$
$x = 1\ 1/2,\ 8/9$

4. $42x^2 - 71x + 30 = 0$
$(7x - 6)(6x - 5) = 0$
$x = 6/7,\ 5/6$

5. $-64x^2 + 24x + 40 = 0$
$(8x + 5)(8x - 8) = 0$
$x = -5/8,\ 1$

6. $-56x^2 + 49x + 7 = 0$
$(8x + 1)(7x - 7) = 0$
$x = -1/8,\ 1$

7. $-3x^2 + 20x + 32 = 0$
$-(x - 8)(3x + 4) = 0$
$x = 8\ ,\ -1\ 1/3$

8. $32x^2 - 92x + 45 = 0$
$(4x - 9)(8x - 5) = 0$
$x = 2\ 1/4,\ 5/8$

9. $-21x^2 + x + 2 = 0$
$-(7x + 2)(3x - 1) = 0$
$x = -2/7,\ 1/3$

10. $18x^2 - 51x + 21 = 0$
$(6x - 3)(3x - 7) = 0$
$x = 1/2,\ 2\ 1/3$

11. $25x^2 - 55x + 24 = 0$
$(5x - 8)(5x - 3) = 0$
$x = 1\ 3/5,\ 3/5$

12. $-72x^2 + 6x + 36 = 0$
$-(9x + 6)(8x - 6) = 0$
$x = -2/3,\ 3/4$