

1 7 7

حُل المعادلة :

$$\frac{-3x-5}{3} + \frac{-4x+9}{6} = \frac{-4x+4}{8}$$

2 7 7

حُل المعادلة :

$$\frac{-5x-8}{2} - \frac{6x+6}{4} = \frac{-2x+8}{3}$$

3 7 7

حُل المعادلة :

$$\frac{-8x+3}{9} - \frac{8x-8}{3} = \frac{x+10}{2}$$

4 7 7

حُل المعادلة :

$$\frac{4x-3}{3} + \frac{7x+7}{2} = \frac{-9x-3}{6}$$

5 7 7

حُل المعادلة :

$$\frac{-3x+2}{3} - \frac{-4x-2}{9} = \frac{-2x-4}{2}$$

6 7 7

حُل المعادلة :

$$\frac{8x+3}{6} + \frac{5x-3}{4} = \frac{-7x+5}{9}$$

7 7 7

حُل المعادلة :

$$\frac{-2x+9}{3} + \frac{-7x+4}{2} = \frac{10x-4}{9}$$

8 7 7

حُل المعادلة :

$$\frac{9x+4}{2} + \frac{6x-3}{9} = \frac{4x-4}{3}$$

9 7 7

حُل المعادلة :

$$\frac{10x+1}{3} - \frac{6x-2}{6} = \frac{-x+10}{8}$$

10 7 7

حل المعادلة :

$$\frac{9x-3}{9} + \frac{6x+2}{6} = \frac{-6x+4}{3}$$

11 7 7

حل المعادلة :

$$\frac{8x-9}{6} + \frac{7x+3}{4} = \frac{10x+1}{9}$$

12 7 7

حل المعادلة :

$$\frac{-x+4}{6} + \frac{4x+6}{3} = \frac{-3x+7}{8}$$

13 7 7

حل المعادلة :

$$\frac{-8x-6}{4} + \frac{-5x+8}{8} = \frac{-2x-5}{2}$$

14 7 7

حل المعادلة :

$$\frac{9x-6}{2} + \frac{-4x+1}{8} = \frac{6x+7}{4}$$

15 7 7

حل المعادلة :

$$\frac{-10x+7}{3} - \frac{8x+8}{2} = \frac{-7x-10}{4}$$

16 7 7

حل المعادلة :

$$\frac{-8x-7}{3} + \frac{-2x+7}{9} = \frac{-4x+1}{6}$$

17 7 7

حل المعادلة :

$$\frac{-4x+6}{8} - \frac{-5x+9}{2} = \frac{-2x-6}{4}$$

18 7 7

حل المعادلة :

$$\frac{-6x-7}{4} - \frac{7x-2}{6} = \frac{5x-5}{3}$$

19 7 7

حل المعادلة :

$$\frac{-8x+9}{3} + \frac{4x-2}{6} = \frac{-7x-6}{9}$$

20 7 7

حل المعادلة :

$$\frac{2x+1}{4} + \frac{3x-9}{3} = \frac{-8x-7}{2}$$

21 7 7

حل المعادلة :

$$\frac{5x+4}{6} - \frac{8x-8}{2} = \frac{-3x+5}{9}$$

22 7 7

حل المعادلة :

$$\frac{-6x+9}{4} - \frac{-8x-3}{6} = \frac{-3x-1}{8}$$

23 7 7

حل المعادلة :

$$\frac{6x-10}{2} - \frac{-6x+5}{6} = \frac{-2x-6}{9}$$

24 7 7

حل المعادلة :

$$\frac{-6x+8}{4} + \frac{-8x+6}{6} = \frac{9x+9}{9}$$

25 7 7

حل المعادلة :

$$\frac{-4x+4}{6} - \frac{-4x-1}{8} = \frac{6x+5}{3}$$

26 7 7

حل المعادلة :

$$\frac{-10x-1}{4} - \frac{3x-7}{6} = \frac{6x-5}{2}$$

27 7 7

حل المعادلة :

$$\frac{4x-5}{4} - \frac{x+1}{6} = \frac{-3x+1}{8}$$

28 7 7

حل المعادلة :

$$\frac{-7x+10}{3} + \frac{3x+6}{2} = \frac{-5x-6}{4}$$

29 7 7

حل المعادلة :

$$\frac{-9x-4}{9} - \frac{3x+3}{6} = \frac{-4x+1}{3}$$

الحلول

موقع الأستاذ بلحوسين لرياضيات التعليم المتوسط

<https://prof27math.weebly.com/>

1 / 1

حل المعادلة :

$$\frac{-3x-5}{3} + \frac{-4x+9}{6} = \frac{-4x+4}{8}$$

$$\frac{(-3x-5) \times 8}{3 \times 8} + \frac{(-4x+9) \times 4}{6 \times 4} = \frac{(-4x+4) \times 3}{8 \times 3}$$

$$\frac{-24x-40-16x+36}{24} = \frac{-12x+12}{24}$$

$$-40x-4 = -12x+12$$

$$-40x+12x = 12+4$$

$$-28x = 16$$

$$x = \frac{-16}{28} = \frac{-4}{7}$$

$$\cdot \frac{-4}{7}$$

للمعادلة حل وحيد هو

2 / 1

حل المعادلة :

$$\frac{-5x-8}{2} - \frac{6x+6}{4} = \frac{-2x+8}{3}$$

$$\frac{(-5x-8) \times 6}{2 \times 6} - \frac{(6x+6) \times 3}{4 \times 3} = \frac{(-2x+8) \times 4}{3 \times 4}$$

$$\frac{-30x-48-(18x+18)}{12} = \frac{-8x+32}{12}$$

$$-30x-48-18x-18 = -8x+32$$

$$-48x-66 = -8x+32$$

$$-48x+8x = 32+66$$

$$-40x = 98$$

$$x = \frac{-98}{40} = \frac{-49}{20}$$

$$\cdot \frac{-49}{20}$$

للمعادلة حل وحيد هو

3 / 1

حل المعادلة :

$$\frac{-8x+3}{9} - \frac{8x-8}{3} = \frac{x+10}{2}$$

$$\frac{(-8x+3) \times 2}{9 \times 2} - \frac{(8x-8) \times 6}{3 \times 6} = \frac{(x+10) \times 9}{2 \times 9}$$

$$\frac{-16x+6-(48x-48)}{18} = \frac{9x+90}{18}$$

$$-16x + 6 - 48x + 48 = 9x + 90$$

$$-64x + 54 = 9x + 90$$

$$-64x - 9x = 90 - 54$$

$$-73x = 36$$

$$x = \frac{-36}{73} = \frac{-36}{73}$$

$$\cdot \frac{-36}{73}$$

للمعادلة حل وحيد هو

$$\frac{4}{73}$$

حل المعادلة :

$$\frac{4x-3}{3} + \frac{7x+7}{2} = \frac{-9x-3}{6}$$

$$\frac{(4x-3) \times 2}{3 \times 2} + \frac{(7x+7) \times 3}{2 \times 3} = \frac{-9x-3}{6}$$

$$\frac{8x-6+21x+21}{6} = \frac{-9x-3}{6}$$

$$29x+15 = -9x-3$$

$$29x+9x = -3-15$$

$$38x = -18$$

$$x = \frac{-18}{38} = \frac{-9}{19}$$

$$\cdot \frac{-9}{19}$$

للمعادلة حل وحيد هو

$$\frac{5}{19}$$

حل المعادلة :

$$\frac{-3x+2}{3} - \frac{-4x-2}{9} = \frac{-2x-4}{2}$$

$$\frac{(-3x+2) \times 6}{3 \times 6} - \frac{(-4x-2) \times 2}{9 \times 2} = \frac{(-2x-4) \times 9}{2 \times 9}$$

$$\frac{-18x+12-(-8x-4)}{18} = \frac{-18x-36}{18}$$

$$-18x+128x+4 = -18x-36$$

$$-10x+16 = -18x-36$$

$$-10x+18x = -36-16$$

$$8x = -52$$

$$x = \frac{-52}{8} = \frac{-13}{2}$$

$$\cdot \frac{-13}{2}$$

للمعادلة حل وحيد هو

6 / ٦٦٦ /

حل المعادلة :

$$\frac{8x+3}{6} + \frac{5x-3}{4} = \frac{-7x+5}{9}$$

$$\frac{(8x+3) \times 6}{6 \times 6} + \frac{(5x-3) \times 9}{4 \times 9} = \frac{(-7x+5) \times 4}{9 \times 4}$$

$$\frac{48x+18+45x-27}{36} = \frac{-28x+20}{36}$$

$$93x-9 = -28x+20$$

$$93x+28x = 20+9$$

$$121x = 29$$

$$x = \frac{29}{121}$$

$$\cdot \frac{29}{121}$$

للمعادلة حل وحيد هو

7 / ٦٦٦ /

حل المعادلة :

$$\frac{-2x+9}{3} + \frac{-7x+4}{2} = \frac{10x-4}{9}$$

$$\frac{(-2x+9) \times 6}{3 \times 6} + \frac{(-7x+4) \times 9}{2 \times 9} = \frac{(10x-4) \times 2}{9 \times 2}$$

$$\frac{-12x+54-63x+36}{18} = \frac{20x-8}{18}$$

$$-75x+90 = 20x-8$$

$$-75x-20x = -8-90$$

$$-95x = -98$$

$$x = \frac{98}{95} = \frac{98}{95}$$

$$\cdot \frac{98}{95}$$

للمعادلة حل وحيد هو

8 / ٦٦٦ /

حل المعادلة :

$$\frac{9x+4}{2} + \frac{6x-3}{9} = \frac{4x-4}{3}$$

$$\frac{(9x+4) \times 9}{2 \times 9} + \frac{(6x-3) \times 2}{9 \times 2} = \frac{(4x-4) \times 6}{3 \times 6}$$

$$\frac{81x+36+12x-6}{18} = \frac{24x-24}{18}$$

$$93x+30 = 24x-24$$

$$93x - 24x = -24 - 30$$

$$69x = -54$$

$$x = \frac{-54}{69} = \frac{-18}{23}$$

$$\cdot \frac{-18}{23}$$

للمعادلة حل وحيد هو

9 / ٩ ٤ ٩ /

حل المعادلة :

$$\frac{10x + 1}{3} - \frac{6x - 2}{6} = \frac{-x + 10}{8}$$

$$\frac{(10x + 1) \times 8}{3 \times 8} - \frac{(6x - 2) \times 4}{6 \times 4} = \frac{(-x + 10) \times 3}{8 \times 3}$$

$$\frac{80x + 8 - (24x - 8)}{24} = \frac{-3x + 30}{24}$$

$$80x + 8 - 24x + 8 = -3x + 30$$

$$56x + 16 = -3x + 30$$

$$56x + 3x = 30 - 16$$

$$59x = 14$$

$$x = \frac{14}{59}$$

$$\cdot \frac{14}{59}$$

للمعادلة حل وحيد هو

10 / ٩ ٤ ٩ /

حل المعادلة :

$$\frac{9x - 3}{9} + \frac{6x + 2}{6} = \frac{-6x + 4}{3}$$

$$\frac{(9x - 3) \times 2}{9 \times 2} + \frac{(6x + 2) \times 3}{6 \times 3} = \frac{(-6x + 4) \times 6}{3 \times 6}$$

$$\frac{18x - 6 + 18x + 6}{18} = \frac{-36x + 24}{18}$$

$$36x = -36x + 24$$

$$36x + 36x = 24$$

$$72x = 24$$

$$x = \frac{24}{72} = \frac{1}{3}$$

$$\cdot \frac{1}{3}$$

للمعادلة حل وحيد هو

11 / ٧٤٩

حل المعادلة :

$$\frac{8x-9}{6} + \frac{7x+3}{4} = \frac{10x+1}{9}$$

$$\frac{(8x-9) \times 6}{6 \times 6} + \frac{(7x+3) \times 9}{4 \times 9} = \frac{(10x+1) \times 4}{9 \times 4}$$

$$\frac{48x-54+63x+27}{36} = \frac{40x+4}{36}$$

$$111x-27=40x+4$$

$$111x-40x=4+27$$

$$71x=31$$

$$x = \frac{31}{71}$$

$$\cdot \frac{31}{71}$$

للمعادلة حل وحيد هو

12 / ٧٤٩

حل المعادلة :

$$\frac{-x+4}{6} + \frac{4x+6}{3} = \frac{-3x+7}{8}$$

$$\frac{(-x+4) \times 4}{6 \times 4} + \frac{(4x+6) \times 8}{3 \times 8} = \frac{(-3x+7) \times 3}{8 \times 3}$$

$$\frac{-4x+16+32x+48}{24} = \frac{-9x+21}{24}$$

$$28x+64=-9x+21$$

$$28x+9x=21-64$$

$$37x=-43$$

$$x = \frac{-43}{37}$$

$$\cdot \frac{-43}{37}$$

للمعادلة حل وحيد هو

13 / ٧٤٩

حل المعادلة :

$$\frac{-8x-6}{4} + \frac{-5x+8}{8} = \frac{-2x-5}{2}$$

$$\frac{(-8x-6) \times 2}{4 \times 2} + \frac{-5x+8}{8} = \frac{(-2x-5) \times 4}{2 \times 4}$$

$$\frac{-16x-12-5x+8}{8} = \frac{-8x-20}{8}$$

$$-21x-4=-8x-20$$

$$-21x + 8x = -20 + 4$$

$$-13x = -16$$

$$x = \frac{16}{13} = \frac{16}{13}$$

$$\cdot \frac{16}{13}$$

للمعادلة حل وحيد هو

14 / ١٤ / ١٤

حل المعادلة :

$$\frac{9x-6}{2} + \frac{-4x+1}{8} = \frac{6x+7}{4}$$

$$\frac{(9x-6) \times 4}{2 \times 4} + \frac{-4x+1}{8} = \frac{(6x+7) \times 2}{4 \times 2}$$

$$\frac{36x-24-4x+1}{8} = \frac{12x+14}{8}$$

$$32x-23 = 12x+14$$

$$32x-12x = 14+23$$

$$20x = 37$$

$$x = \frac{37}{20}$$

$$\cdot \frac{37}{20}$$

للمعادلة حل وحيد هو

15 / ١٥ / ١٥

حل المعادلة :

$$\frac{-10x+7}{3} - \frac{8x+8}{2} = \frac{-7x-10}{4}$$

$$\frac{(-10x+7) \times 4}{3 \times 4} - \frac{(8x+8) \times 6}{2 \times 6} = \frac{(-7x-10) \times 3}{4 \times 3}$$

$$\frac{-40x+28-(48x+48)}{12} = \frac{-21x-30}{12}$$

$$-40x+28-48x-48 = -21x-30$$

$$-88x-20 = -21x-30$$

$$-88x+21x = -30+20$$

$$-67x = -10$$

$$x = \frac{10}{67} = \frac{10}{67}$$

$$\cdot \frac{10}{67}$$

للمعادلة حل وحيد هو

16 / تمرين

حل المعادلة :

$$\frac{-8x-7}{3} + \frac{-2x+7}{9} = \frac{-4x+1}{6}$$

$$\frac{(-8x-7) \times 6}{3 \times 6} + \frac{(-2x+7) \times 2}{9 \times 2} = \frac{(-4x+1) \times 3}{6 \times 3}$$

$$\frac{-48x-42-4x+14}{18} = \frac{-12x+3}{18}$$

$$-52x-28 = -12x+3$$

$$-52x+12x = 3+28$$

$$-40x = 31$$

$$x = \frac{-31}{40} = \frac{-31}{40}$$

$$\cdot \frac{-31}{40}$$

للمعادلة حل وحيد هو

17 / تمرين

حل المعادلة :

$$\frac{-4x+6}{8} - \frac{-5x+9}{2} = \frac{-2x-6}{4}$$

$$\frac{-4x+6}{8} - \frac{(-5x+9) \times 4}{2 \times 4} = \frac{(-2x-6) \times 2}{4 \times 2}$$

$$\frac{-4x+6-(-20x+36)}{8} = \frac{-4x-12}{8}$$

$$-4x+6-20x+36 = -4x-12$$

$$16x-30 = -4x-12$$

$$16x+4x = -12+30$$

$$20x = 18$$

$$x = \frac{18}{20} = \frac{9}{10}$$

$$\cdot \frac{9}{10}$$

للمعادلة حل وحيد هو

18 / تمرين

حل المعادلة :

$$\frac{-6x-7}{4} - \frac{7x-2}{6} = \frac{5x-5}{3}$$

$$\frac{(-6x-7) \times 3}{4 \times 3} - \frac{(7x-2) \times 2}{6 \times 2} = \frac{(5x-5) \times 4}{3 \times 4}$$

$$\frac{-18x-21-(14x-4)}{12} = \frac{20x-20}{12}$$

$$-18x - 21 - 14x + 4 = 20x - 20$$

$$-32x - 17 = 20x - 20$$

$$-32x - 20x = -20 + 17$$

$$-52x = -3$$

$$x = \frac{3}{52} = \frac{3}{52}$$

$$\cdot \frac{3}{52}$$

للمعادلة حل وحيد هو

19 /

حل المعادلة :

$$\frac{-8x + 9}{3} + \frac{4x - 2}{6} = \frac{-7x - 6}{9}$$

$$\frac{(-8x + 9) \times 6}{3 \times 6} + \frac{(4x - 2) \times 3}{6 \times 3} = \frac{(-7x - 6) \times 2}{9 \times 2}$$

$$\frac{-48x + 54 + 12x - 6}{18} = \frac{-14x - 12}{18}$$

$$-36x + 48 = -14x - 12$$

$$-36x + 14x = -12 - 48$$

$$-22x = -60$$

$$x = \frac{60}{22} = \frac{30}{11}$$

$$\cdot \frac{30}{11}$$

للمعادلة حل وحيد هو

20 /

حل المعادلة :

$$\frac{2x + 1}{4} + \frac{3x - 9}{3} = \frac{-8x - 7}{2}$$

$$\frac{(2x + 1) \times 3}{4 \times 3} + \frac{(3x - 9) \times 4}{3 \times 4} = \frac{(-8x - 7) \times 6}{2 \times 6}$$

$$\frac{6x + 3 + 12x - 36}{12} = \frac{-48x - 42}{12}$$

$$18x - 33 = -48x - 42$$

$$18x + 48x = -42 + 33$$

$$66x = -9$$

$$x = \frac{-9}{66} = \frac{-3}{22}$$

$$\cdot \frac{-3}{22}$$

للمعادلة حل وحيد هو

21 / ٢٤١ /

حل المعادلة :

$$\frac{5x+4}{6} - \frac{8x-8}{2} = \frac{-3x+5}{9}$$

$$\frac{(5x+4) \times 3}{6 \times 3} - \frac{(8x-8) \times 9}{2 \times 9} = \frac{(-3x+5) \times 2}{9 \times 2}$$

$$\frac{15x+12-(72x-72)}{18} = \frac{-6x+10}{18}$$

$$15x+12-72x+72 = -6x+10$$

$$-57x+84 = -6x+10$$

$$-57x+6x = 10-84$$

$$-51x = -74$$

$$x = \frac{74}{51} = \frac{74}{51}$$

للمعادلة حل وحيد هو $\frac{74}{51}$

22 / ٢٤١ /

حل المعادلة :

$$\frac{-6x+9}{4} - \frac{-8x-3}{6} = \frac{-3x-1}{8}$$

$$\frac{(-6x+9) \times 6}{4 \times 6} - \frac{(-8x-3) \times 4}{6 \times 4} = \frac{(-3x-1) \times 3}{8 \times 3}$$

$$\frac{-36x+54-(-32x-12)}{24} = \frac{-9x-3}{24}$$

$$-36x+54+32x+12 = -9x-3$$

$$-4x+66 = -9x-3$$

$$-4x+9x = -3-66$$

$$5x = -69$$

$$x = \frac{-69}{5}$$

للمعادلة حل وحيد هو $\frac{-69}{5}$

23 / ٢٤١ /

حل المعادلة :

$$\frac{6x-10}{2} - \frac{-6x+5}{6} = \frac{-2x-6}{9}$$

$$\frac{(6x-10) \times 9}{2 \times 9} - \frac{(-6x+5) \times 3}{6 \times 3} = \frac{(-2x-6) \times 2}{9 \times 2}$$

$$\frac{54x-90 - (-18x+15)}{18} = \frac{-4x-12}{18}$$

$$54x-90-18x-15 = -4x-12$$

$$72x-105 = -4x-12$$

$$72x+4x = -12+105$$

$$76x = 93$$

$$x = \frac{93}{76}$$

$$\frac{93}{76}$$

للمعادلة حل وحيد هو

24 / ٢٤١ /

حل المعادلة :

$$\frac{-6x+8}{4} + \frac{-8x+6}{6} = \frac{9x+9}{9}$$

$$\frac{(-6x+8) \times 9}{4 \times 9} + \frac{(-8x+6) \times 6}{6 \times 6} = \frac{(9x+9) \times 4}{9 \times 4}$$

$$\frac{-54x+72-48x+36}{36} = \frac{36x+36}{36}$$

$$-102x+108 = 36x+36$$

$$-102x-36x = 36-108$$

$$-138x = -72$$

$$x = \frac{72}{138} = \frac{12}{23}$$

$$\frac{12}{23}$$

للمعادلة حل وحيد هو

25 / ٢٤١ /

حل المعادلة :

$$\frac{-4x+4}{6} - \frac{-4x-1}{8} = \frac{6x+5}{3}$$

$$\frac{(-4x+4) \times 4}{6 \times 4} - \frac{(-4x-1) \times 3}{8 \times 3} = \frac{(6x+5) \times 8}{3 \times 8}$$

$$\frac{-16x+16 - (-12x-3)}{24} = \frac{48x+40}{24}$$

$$-16x + 1612x + 3 = 48x + 40$$

$$-4x + 19 = 48x + 40$$

$$-4x - 48x = 40 - 19$$

$$-52x = 21$$

$$x = \frac{-21}{52} = \frac{-21}{52}$$

$$\cdot \frac{-21}{52}$$

للمعادلة حل وحيد هو

$$\frac{26}{\text{العدد 26}}$$

حل المعادلة :

$$\frac{-10x - 1}{4} - \frac{3x - 7}{6} = \frac{6x - 5}{2}$$

$$\frac{(-10x - 1) \times 3}{4 \times 3} - \frac{(3x - 7) \times 2}{6 \times 2} = \frac{(6x - 5) \times 6}{2 \times 6}$$

$$\frac{-30x - 3 - (6x - 14)}{12} = \frac{36x - 30}{12}$$

$$-30x - 3 - 6x + 14 = 36x - 30$$

$$-36x + 11 = 36x - 30$$

$$-36x - 36x = -30 - 11$$

$$-72x = -41$$

$$x = \frac{41}{72} = \frac{41}{72}$$

$$\cdot \frac{41}{72}$$

للمعادلة حل وحيد هو

$$\frac{27}{\text{العدد 27}}$$

حل المعادلة :

$$\frac{4x - 5}{4} - \frac{x + 1}{6} = \frac{-3x + 1}{8}$$

$$\frac{(4x - 5) \times 6}{4 \times 6} - \frac{(x + 1) \times 4}{6 \times 4} = \frac{(-3x + 1) \times 3}{8 \times 3}$$

$$\frac{24x - 30 - (4x + 4)}{24} = \frac{-9x + 3}{24}$$

$$24x - 30 - 4x - 4 = -9x + 3$$

$$20x - 34 = -9x + 3$$

$$20x + 9x = 3 + 34$$

$$29x = 37$$

$$x = \frac{37}{29}$$

$$\cdot \frac{37}{29}$$

للمعادلة حل وحيد هو

28 / ٢٤٩ /

حل المعادلة :

$$\frac{-7x+10}{3} + \frac{3x+6}{2} = \frac{-5x-6}{4}$$

$$\frac{(-7x+10) \times 4}{3 \times 4} + \frac{(3x+6) \times 6}{2 \times 6} = \frac{(-5x-6) \times 3}{4 \times 3}$$

$$\frac{-28x+40+18x+36}{12} = \frac{-15x-18}{12}$$

$$-10x+76 = -15x-18$$

$$-10x+15x = -18-76$$

$$5x = -94$$

$$x = \frac{-94}{5}$$

$$\cdot \frac{-94}{5}$$

للمعادلة حل وحيد هو

29 / ٢٤٩ /

حل المعادلة :

$$\frac{-9x-4}{9} - \frac{3x+3}{6} = \frac{-4x+1}{3}$$

$$\frac{(-9x-4) \times 2}{9 \times 2} - \frac{(3x+3) \times 3}{6 \times 3} = \frac{(-4x+1) \times 6}{3 \times 6}$$

$$\frac{-18x-8-(9x+9)}{18} = \frac{-24x+6}{18}$$

$$-18x-8-9x-9 = -24x+6$$

$$-27x-17 = -24x+6$$

$$-27x+24x = 6+17$$

$$-3x = 23$$

$$x = \frac{-23}{3} = \frac{-23}{3}$$

$$\cdot \frac{-23}{3}$$

للمعادلة حل وحيد هو