SOLVING FRACTIONAL EQUATIONS INVOLVING NEGATIVES

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1. $x/2 = -3$ | $x = -6$

2. $-x/4 = 5$ | $x = -20$

3. $3x/5 = -9$ | $x = -15$

4. $-2x/7 = 8$ | $x = -28$

5. $(x - 3)/2 = -4$ | $x = -5$

6. $-(x + 5)/3 = 2$ | $x = -11$

7. $(2x - 1)/4 = -3$ | $x = -5.5$

8. $(-3x + 6)/5 = -2$ | $x = 16/3$

9. $x/3 - 1/2 = -5/6$ | $x = -1$

10. $-x/4 + 2/3 = 5/12$ | $x = 1$

11. $(x + 2)/3 - (x - 1)/4 = -1$ | $x = -17$

12. $2/x = -1/3$ | $x = -6$

13. $-3/x = 2/5$ | $x = -7.5$

14. $1/(x + 2) = -1/4$ | $x = -6$

15. $-2/(x - 3) = 1/5$ | $x = -7$

16. $(x + 1)/(x - 2) = -3/4$ | $x = -10/7$

MASTER QUESTIONS

M1. A number divided by negative four plus three equals negative five. Find the number. | $x = 32$

M2. One-third of a negative number decreased by two equals negative seven. What is the number?

x = -15

M3. The reciprocal of a number is negative one-sixth. If three is added to the number, what is the result?

-3

M4. A fraction has numerator two less than its denominator. The fraction equals negative three-fifths. Find the fraction.

3/-5