Esercizi sulle equazioni di primo grado intere

1. $x + 2 = 5$ $\qquad\qquad [x = +\mathbf{3}]$

2. $x + 8 = 3$ $\qquad\qquad [x = -\mathbf{5}]$

3. $2x - 6 = x$ $\qquad\qquad [x = +\mathbf{6}]$

4. $3x - 6 = 0$ $\qquad\qquad [x = +\mathbf{2}]$

5. $\frac{2}{5}x = -2$ $\qquad\qquad [x = -\mathbf{5}]$

6. $-2x + 5 = 8$ $\qquad\qquad \left[x = -\frac{\mathbf{3}}{\mathbf{2}}\right]$

7. $x - 8 = x + 9$ $\qquad\qquad [\mathbf{impossibile}]$

8. $-3x + 9 = -4x$ $\qquad\qquad [x = -\mathbf{9}]$

9. $-\frac{4}{7}x = -\frac{6}{7}$ $\qquad\qquad \left[x = +\frac{\mathbf{3}}{\mathbf{2}}\right]$

10. $4x - 7 = 3x - 6$ $\qquad\qquad [x = +\mathbf{1}]$

11. $2x + \frac{1}{2} = x + \frac{3}{2}$ $\qquad\qquad [x = +\mathbf{1}]$

12. $-5x - 1 = -6x - 1$ $\qquad\qquad [x = \mathbf{0}]$

13. $2x + 3 = -x - 3$ $\qquad\qquad [x = -\mathbf{2}]$

14. $-x + \frac{2}{3} = -2x + 2$ $\qquad\qquad \left[x = \frac{\mathbf{4}}{\mathbf{3}}\right]$

15. $-5x + 1 = 3x - 3$ $\qquad\qquad \left[x = +\frac{\mathbf{1}}{\mathbf{2}}\right]$

16. $4x - 10 = 2x - 5$ $\qquad\qquad \left[x = +\frac{\mathbf{5}}{\mathbf{2}}\right]$

17. $-3x + 6 - x = -4x + 6$ $\qquad\qquad [\mathbf{indeterminata}]$

18. $8x + 2 - 3x = 8 + 3x - 4$ $\qquad\qquad [x = +\mathbf{1}]$

19. $7 - 3x + 5 - x = 7x - x - 8$ $\qquad\qquad [x = +\mathbf{2}]$

20. $x - \frac{1}{7}x - 1 = -\frac{1}{7}x + \frac{1}{7}$ $\qquad\qquad \left[x = +\frac{\mathbf{8}}{\mathbf{7}}\right]$

21. $2x + \frac{8}{11} - x = 1 + x - \frac{3}{11}$ $\qquad\qquad [\mathbf{indeterminata}]$

22. $-\frac{3}{4}x - \frac{3}{4} = -x - \frac{2}{5}$ $\qquad\qquad \left[x = +\frac{\mathbf{7}}{\mathbf{5}}\right]$

23. $\frac{1}{2}x - \frac{1}{8} + x = \frac{3}{2}x + 5$ $\qquad\qquad [\mathbf{impossibile}]$

24. $-2x + \frac{13}{10} = \frac{2}{5}x - \frac{6}{5}$ $\qquad\qquad \left[x = -\frac{\mathbf{25}}{\mathbf{24}}\right]$

25. $\frac{3}{22}x + 3x - 3 = \frac{7}{11}x - \frac{5}{8} + 2x$ $\qquad\qquad \left[x = +\frac{\mathbf{19}}{\mathbf{4}}\right]$