

EQUAZIONI DI PRIMO GRADO LETTERALI INTERE

1. $ax + 1 - a = 0$ *Se $a = 0$: imp. Se $a \neq 0$: $x = \frac{a-1}{a}$*
2. $3x - a = a(x - 3) + 6$ *Se $a = 3$: ind. Se $a \neq 3$: $x = 2$*
3. $(a + b)x = 4b - (b - a)x$ *Se $b = 0$: ind. Se $b \neq 0$: $x = 2$*
4. $(2 - a + b)x = b(x - 2) + 2(x + b - 3)$ *Se $a = 0$: imp. Se $a \neq 0$: $x = \frac{6}{a}$*
5. $3x - (x + a) = 2(x + a) - 4a$ *Se $a = 0$: ind. Se $a \neq 0$: imp.*
6. $2bx - 3(b - 1) = bx - 2b$ *Se $b = 0$: imp. Se $b \neq 0$: $x = \frac{b-3}{b}$*
7. $3a(x - 3a + 2) = x + 1$ *Se $a = \frac{1}{3}$: ind. Se $a \neq \frac{1}{3}$: $x = 3a - 1$*
8. $a(bx - 2x + 1) = abx - 2(ax + 1)$ *Se $a = -2$: ind. Se $a \neq -2$: imp.*
9. $(a - b)x = a + b$ *Se $a = b = 0$: ind. Se $a = b \neq 0$: imp. Se $a \neq b$: $x = \frac{a+b}{a-b}$*
10. $a(x - b - 1) = 2(x - b) - 2$ *Se $a = 2$: ind. Se $a \neq 2$: $x = b + 1$*
11. $abx = a + b$ *Se $a = b = 0$: ind. Se $a = 0$ e $b \neq 0$: imp. Se $b = 0$ e $a \neq 0$: imp. Se $a \neq 0$ e $b \neq 0$: $x = \frac{a+b}{ab}$*
12. $2b(x - 2b) + x + 1 = 0$ *Se $b = -\frac{1}{2}$: ind. Se $b \neq -\frac{1}{2}$: $x = 2b - 1$*
13. $2(ax - 1) = b$ *Se $a = 0$ e $b = -2$: ind. Se $a = 0$ e $b \neq -2$: imp. Se $a \neq 0$: $x = \frac{b+2}{2a}$*
14. $ax - a(2a - 1) + (a + 1)x = 4(a + 2) - 2(3a + 5)$ *Se $a = -\frac{1}{2}$: ind. Se $a \neq -\frac{1}{2}$: $x = a - 2$*
15. $(a + 3b)x + a = b - (2b - a)x$ *Se $a = b = 0$: ind. Se $b = 0$ e $a \neq 0$: imp. Se $b \neq 0$: $x = \frac{b-a}{5b}$*