Raccolta di equazioni riconducibili al primo grado
Equations

=-=

1. $x+(x+1)\cdot(x-1)=5+x^2$ $\qquad$ [6]

2. $(x+1)^2=x^2-3$ $\qquad$ [-2]

3. $(3-x)\cdot(3+x)-5=x\cdot(2x+1)-3x\cdot(x-1)$ $\qquad$ [1]

4. $(x-2)^2-(x-4)\cdot(x+4)-3x\cdot(2x-1)-24=3x\cdot(-2x+1)-4\cdot(x+1)$ $\qquad$ [indeterm.]

5. $3x\cdot(x+7)+(x-1)^2=2x\cdot(2x-3)-14$ $\qquad$ $\left[-\frac{3}{5}\right]$

6. $(x-1)^2+2\cdot(x-1)+6x=5(x+1)+1-5x+(x+1)^2$ $\qquad$ [2]

7. $(x+3)\cdot(x-3)+(2x+3)^2=5x^2+7\cdot(x-5)$ $\qquad$ [-7]

8. $\dfrac{3\cdot(x-3)^2}{4}+\dfrac{1}{4}+(x+2)^2=\dfrac{3}{4}x^2-6+(x+1)\cdot(x-1)+4x$ $\qquad$ [4]

9. $\dfrac{(2-3x)\cdot(1+3x)}{9}+\dfrac{(3x-2)^2}{9}+\dfrac{5}{6}=2x-\dfrac{5x+1}{4}$ $\qquad$ [1]

10. $\left(\dfrac{3}{5}+x\right)^2=x\cdot\left(x-\dfrac{6}{25}\right)+\dfrac{9}{5}$ $\qquad$ [1]

11. $\left(\dfrac{1}{2}x-\dfrac{3}{4}\right)\cdot\left(\dfrac{1}{2}x+\dfrac{3}{4}\right)=\left(\dfrac{1}{2}x+\dfrac{1}{4}\right)^2+\dfrac{1}{4}x$ $\qquad$ $\left[-\frac{5}{4}\right]$

12. $-2x\cdot(x-1)+(2x+3)^2-8x=2x^2-3$ $\qquad$ $[-2]$

13. $-(4x-3)^2-2(3x-1)-8x=24x-(4x+1)^2$ $\qquad$ $[-1]$

14. $2-5x+(x+2)(x+3)=(x-3)^2+2x$ $\qquad$ $\left[\frac{1}{4}\right]$