



CLASSE 5^A GINNASIO

1 Settembre 2009

VERIFICA RECUPERO DEBITO

COGNOME _____ NOME _____

1. $\frac{1+3x}{3x+3} - \frac{2-x}{x+1} = 1$ _____ / 3,5

2.
$$\begin{cases} 9x - 4y = 14 \\ y - 3x = -5 \end{cases}$$
 _____ / 2,5

3. $2(3x-2) + 3(2x+5)^2 > 4x(3x+5) - x - 3$ _____ / 2,5

4.
$$\begin{cases} 3x - 11 - 2(x-1) < -3(x-4) + 20 \\ \frac{1-x}{2} + 1 \geq \frac{2}{3}x - \frac{4}{3} \end{cases}$$
 _____ / 3,5

5. $\sqrt{9-\sqrt{17}} \cdot \sqrt{9+\sqrt{17}} - \frac{8}{\sqrt{11}-\sqrt{3}} + \sqrt{3} \left(1 - \frac{8}{3}\sqrt{3} \right)$ _____ / 3,5

6. $(\sqrt{6} + \sqrt{2})^2 - (\sqrt{3} + \sqrt{27})^2 + 40$ _____ / 2

7. $\sqrt{2}(x - \sqrt{3}) - (x - \sqrt{3})(x + \sqrt{2}) = -x^2$ _____ / 2,5

8. $\frac{6}{x^2-1} - \frac{3}{x-1} = 1 - \frac{3}{x+1}$ _____ / 3,5

9. $x - 2 - \frac{5}{4}x = \frac{6-5x}{4} - 2 \left(\frac{1}{2}x - 1 \right)^2$ _____ / 2,5