

On veillera à noter les détails de tous les calculs.

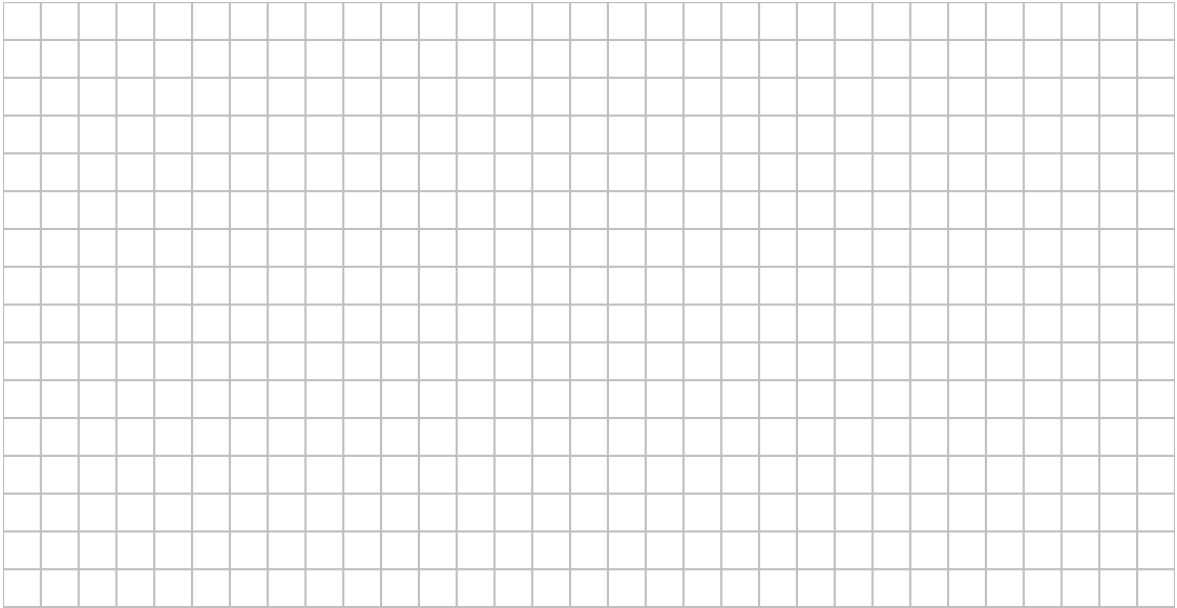
Si nécessaire, effectuer et réduire ; puis rendre les fractions rationnelles irréductibles :

[illegible]

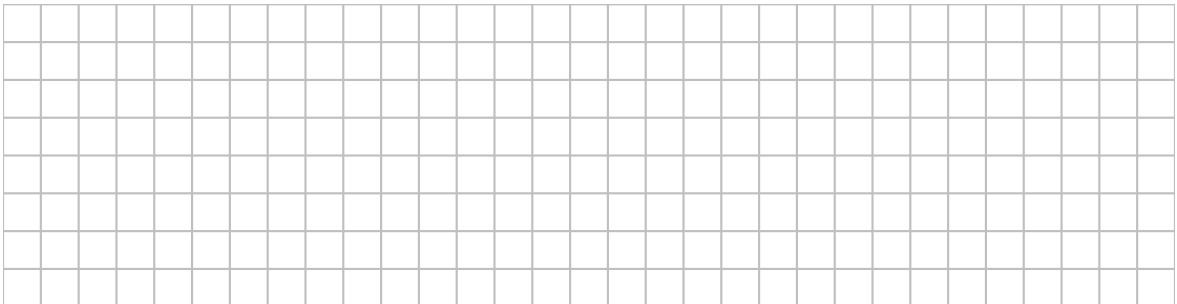
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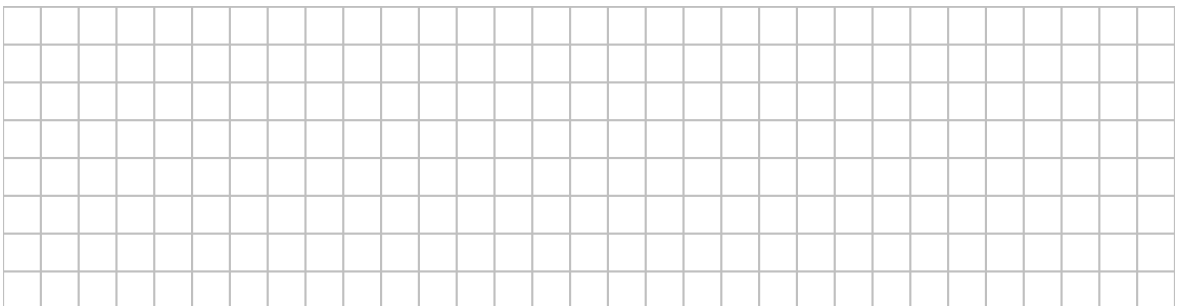
d) $\frac{1 - x^2 + x^3 - x^5}{x + x^2 - x^3 - x^4}$



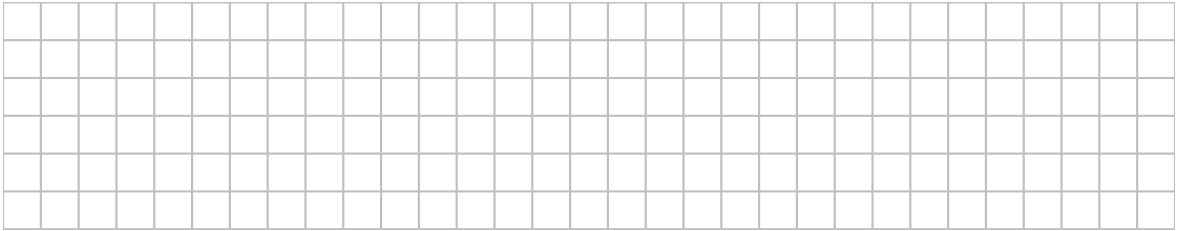
e) $\frac{x + 5}{7} \div \frac{2x + 10}{x - 8}$



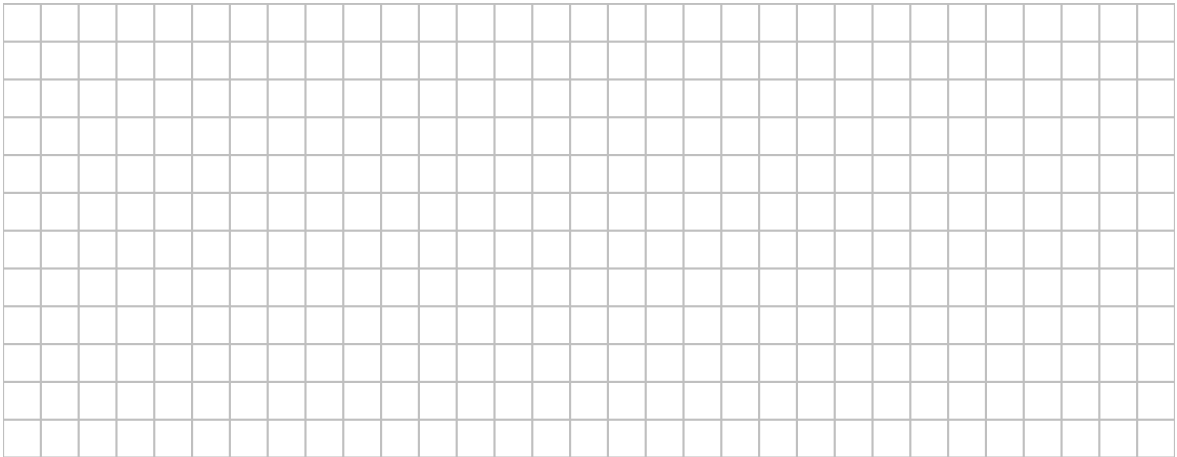
f) $\frac{x^2 - 6x + 9}{x^2 - 1} \cdot \frac{2x - 2}{x - 3}$



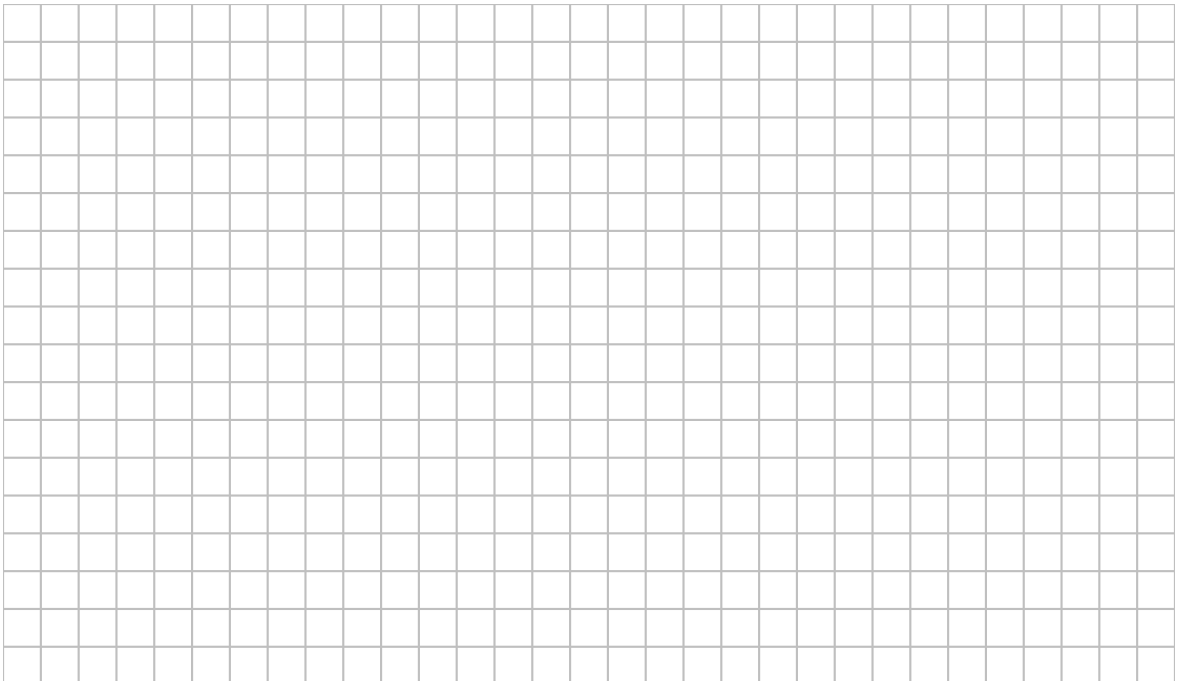
g) $\frac{x-3}{x+3} - \frac{2x}{x^2+5x+6}$



h) $\frac{2y+1}{y^2+4y+4} - \frac{6y}{y^2-4} + \frac{3}{y-2}$



i) $\frac{x+y}{x-y} + \frac{x-2y}{x+y} + \frac{x^2+3y^2}{y^2-x^2}$



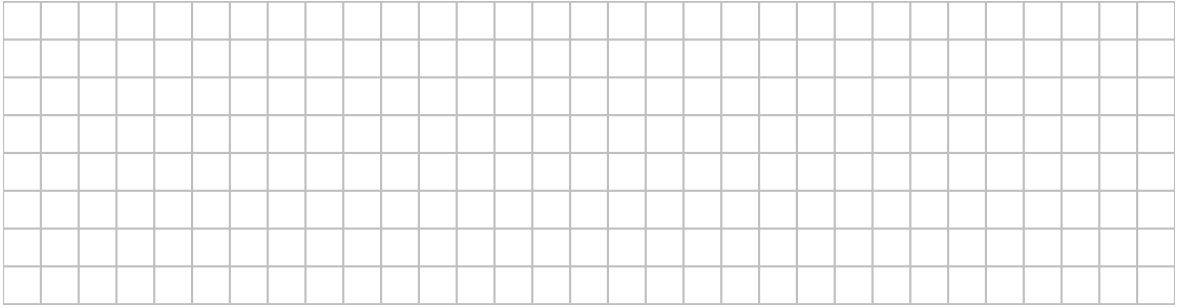
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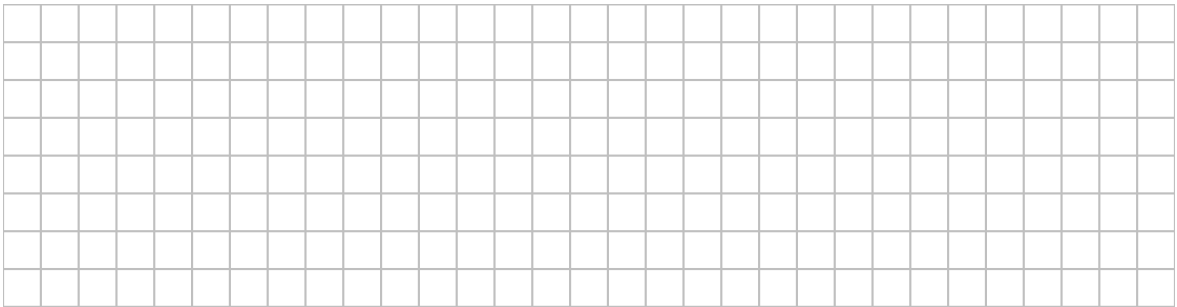
Résoudre les équations ci-dessous :

A full-page view of a blank sheet of graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

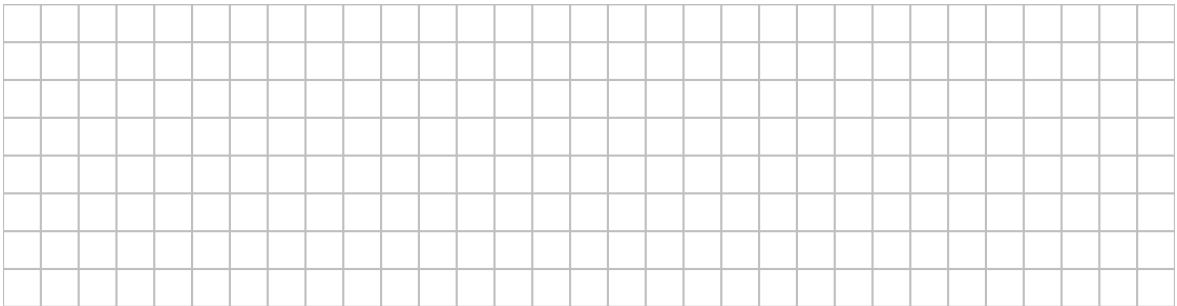
b) $12x^2 + 23x - 24 = 0$



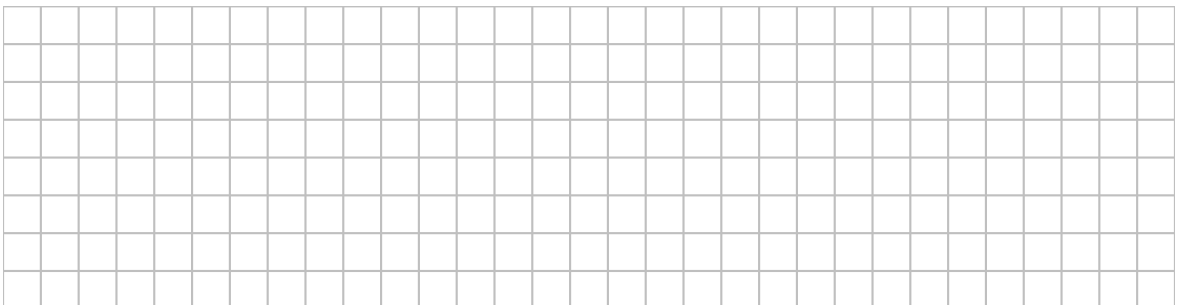
c) $(x + 6)^2 - 3(x + 6) + 2 = 0$



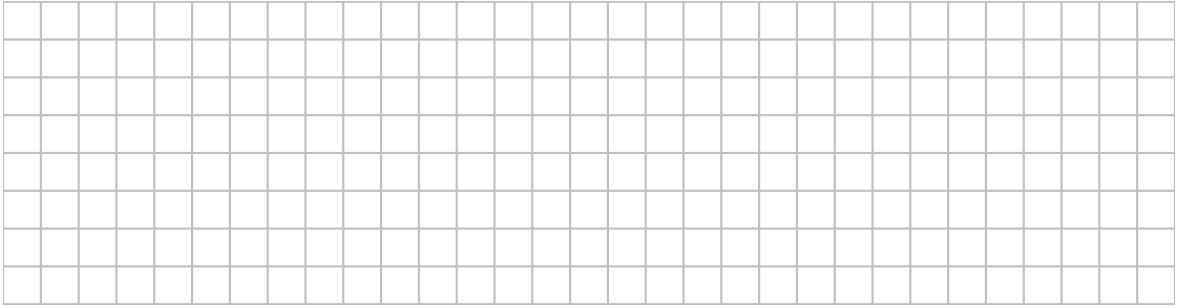
d) $x^3 + x^2 = 4x + 4$



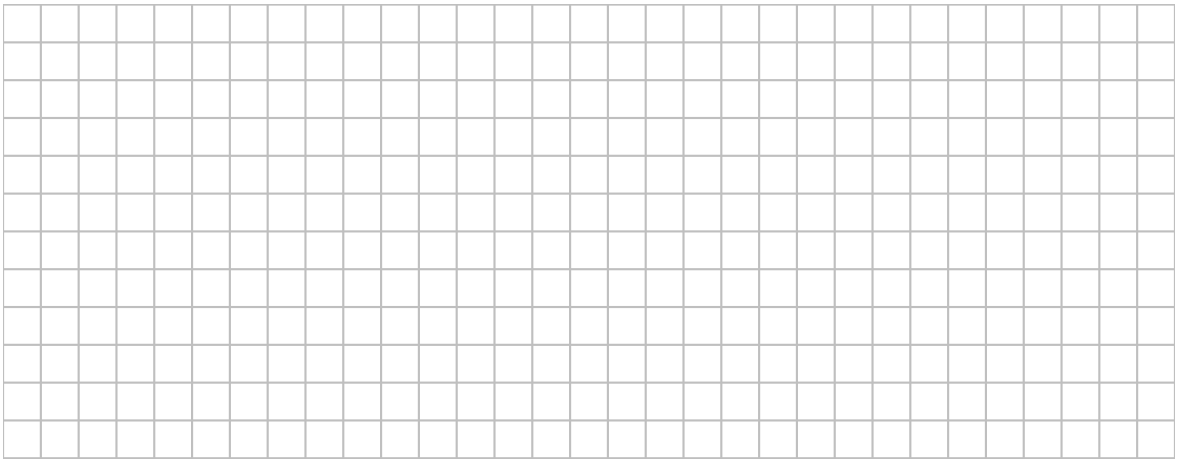
e) $(x - 1)(x - 2)(x - 3) = x(x^2 - 9)$



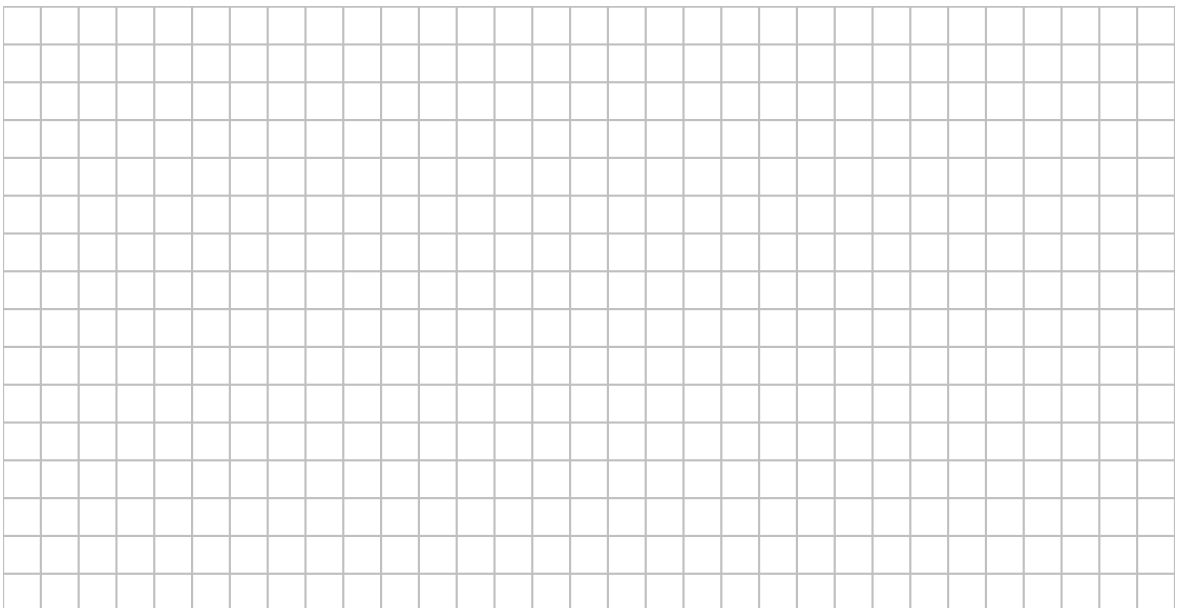
f) $x^4 - 1 = 0$



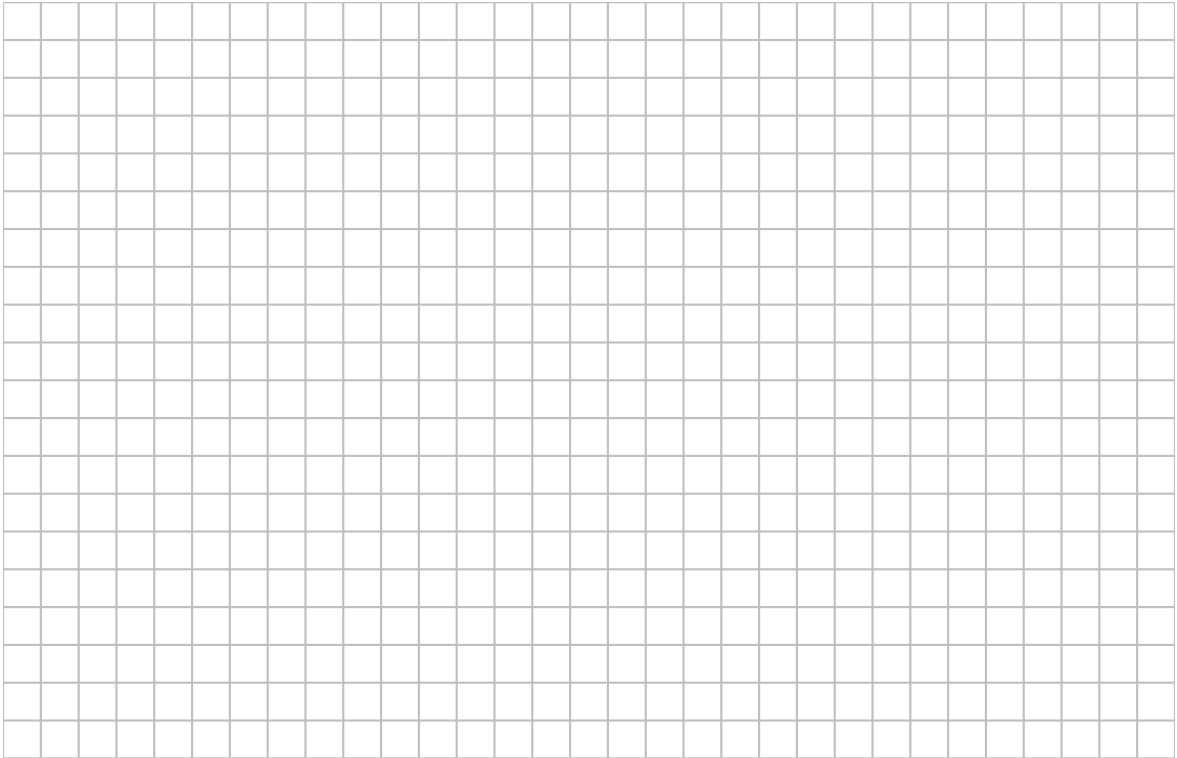
g) $(x^2 - 1)^2 - 2(x^2 - 1) + 1 = 0$



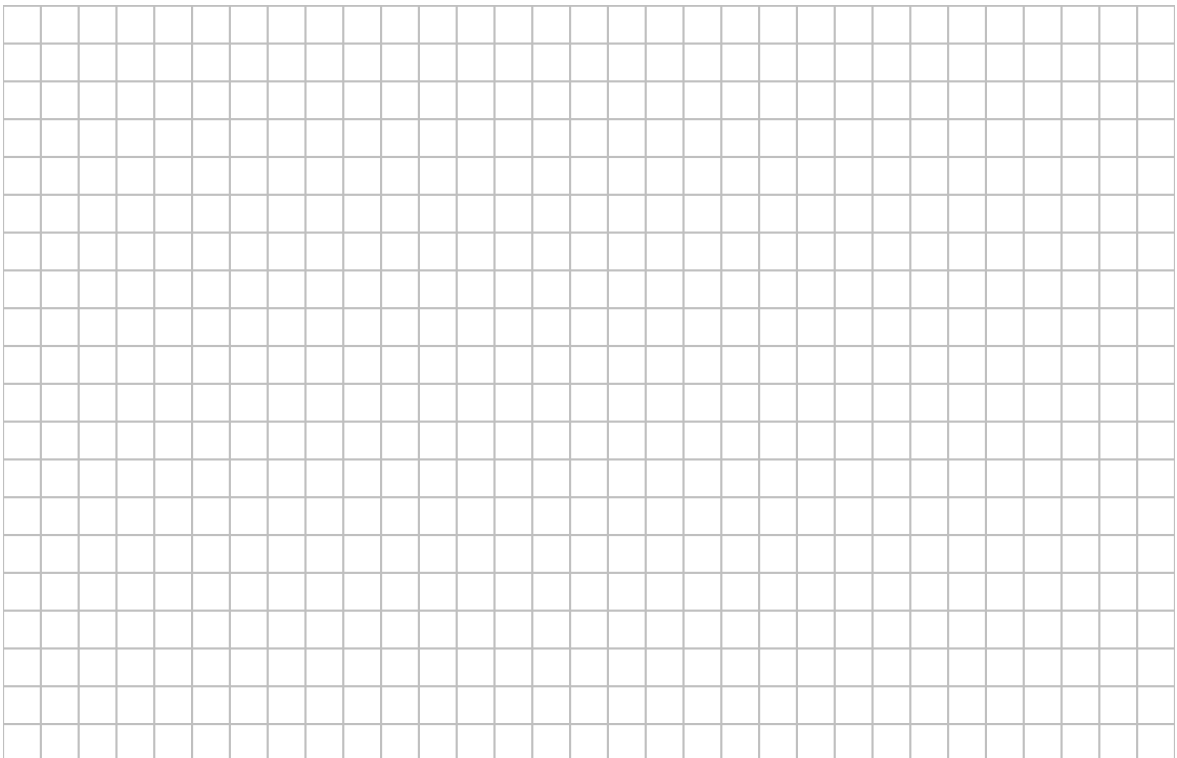
h) $\frac{x}{x-1} = \frac{3x-4}{(x-1) \cdot (x-2)}$



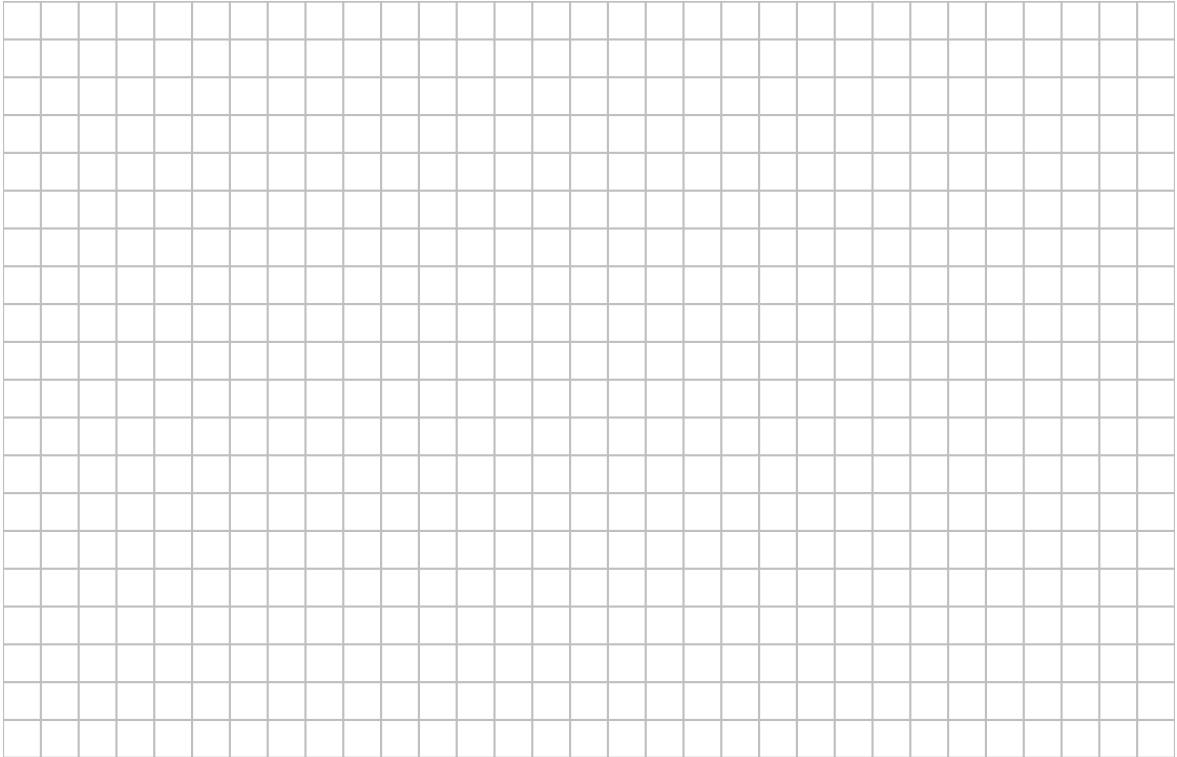
i) $\frac{x+4}{x} - \frac{1}{x+4} = \frac{4}{x^2+4x}$



j) $2x - \sqrt{2x} = 12$



k) $\sqrt{3x+1} - \sqrt{x+4} = 1$



l) $\sqrt{1-\sqrt{x}} = \sqrt{x}$

