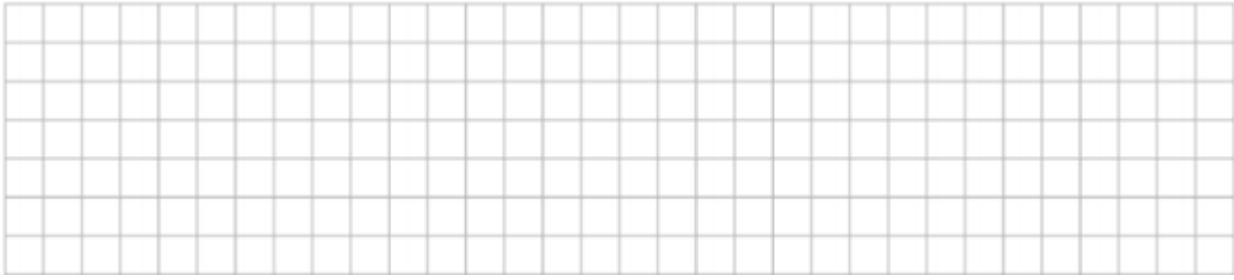




5.  $3ax + 4by - 6bx - 2ay$



Quadratic

6.  $2x^2 + 5x + 3$



7.  $8x^2 - 13x - 6$

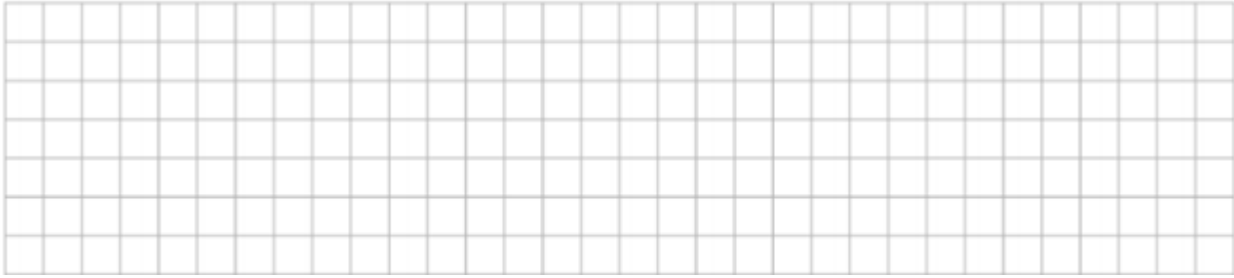


8.  $15x^2 - 2x - 8$

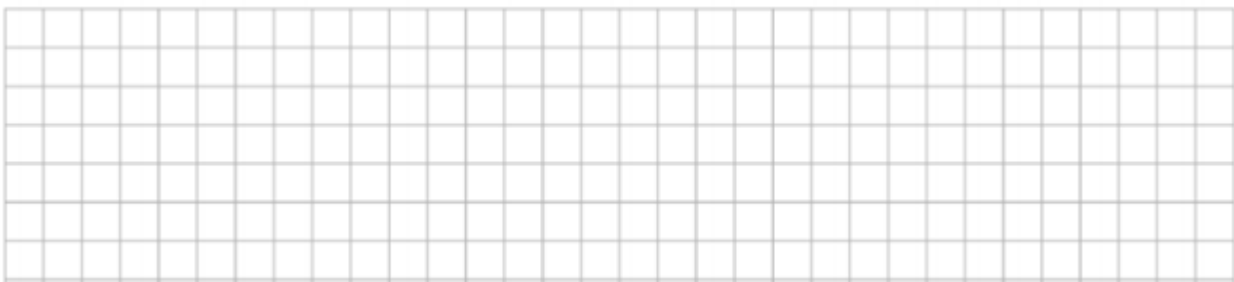


## Difference of Two Squares

9.  $4p^2 - 9q^2$



10.  $49 - 100m^2$

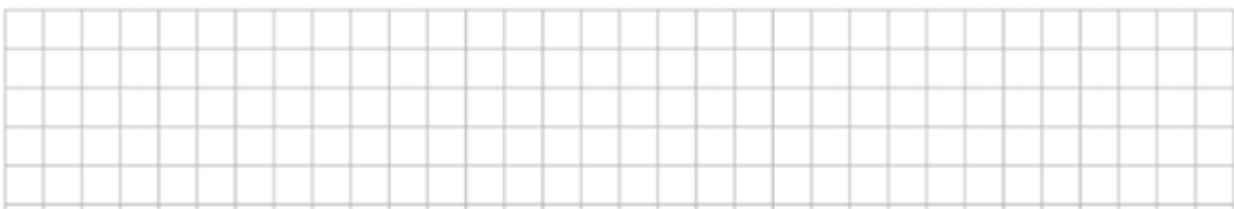


## Algebraic Fractions

Simplify the following

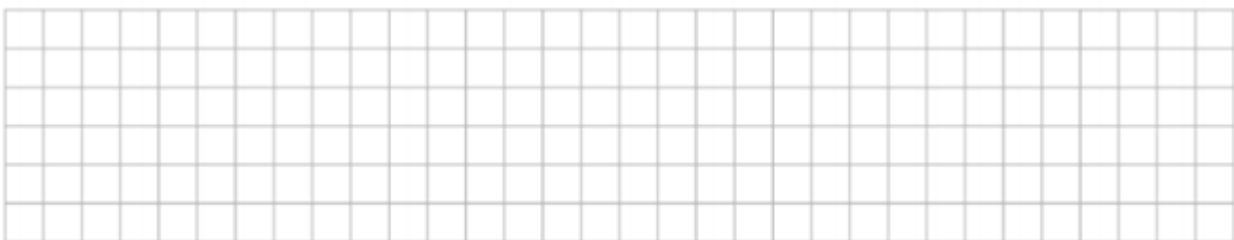
11. Express in its simplest form

$$\frac{6xy}{3y}$$



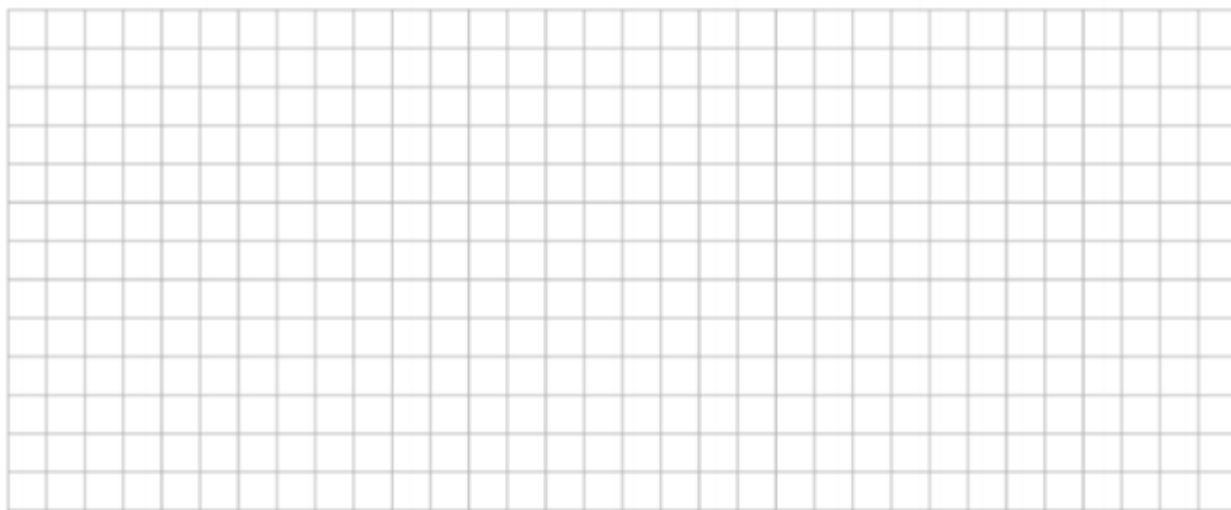
12. Express in its simplest form

$$\frac{15a^3b}{5a^2b}$$



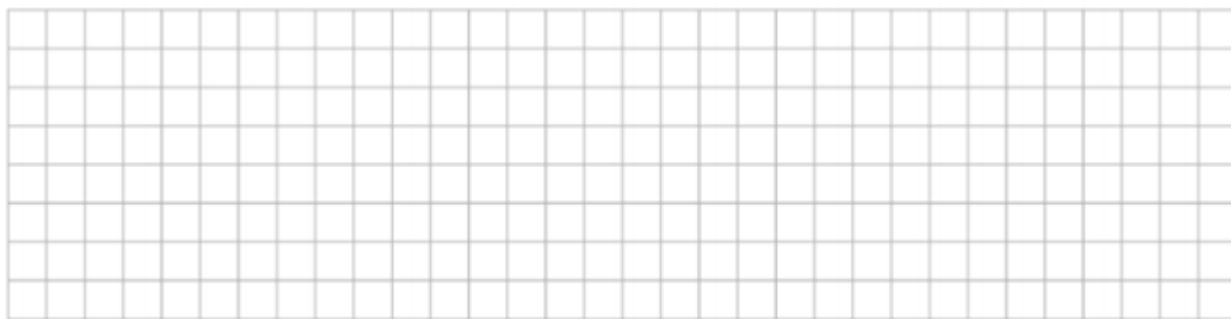
13. Express in its simplest form

$$\frac{x^2 + 8x + 15}{x^2 - 9} \div \frac{xy + 5y}{x^2 - 3x}$$



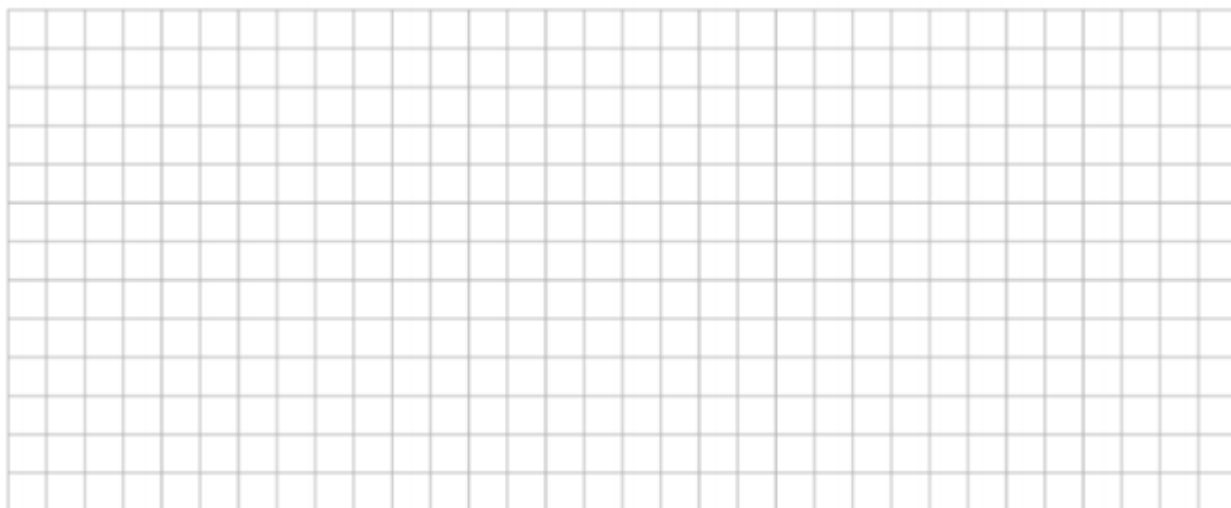
14. Express in its simplest form

$$\frac{2}{x+1} + \frac{3}{x+2}$$



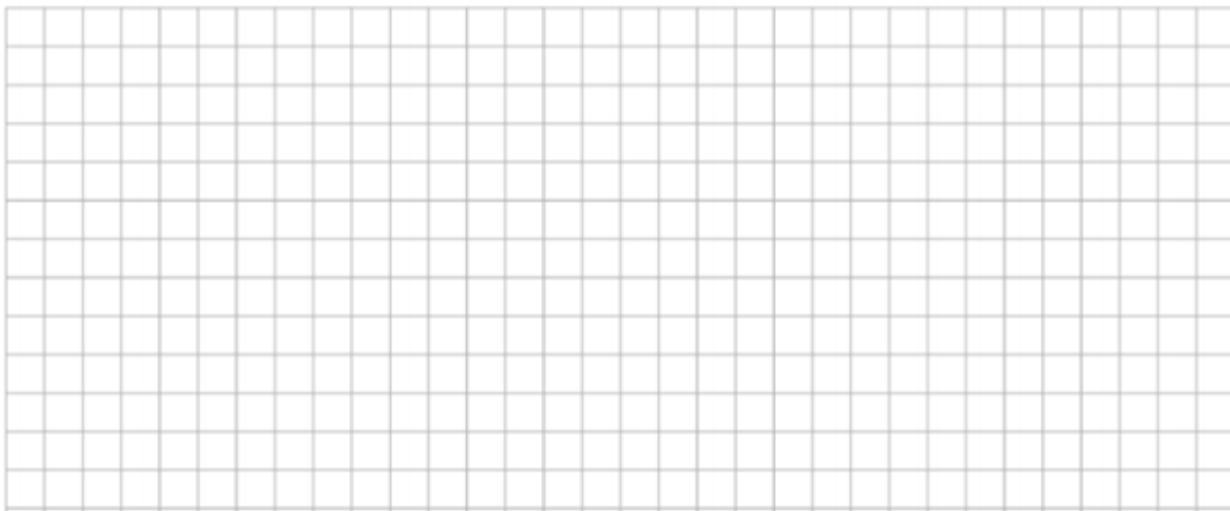
15. Express in its simplest form

$$\frac{1}{x} + \frac{2}{x+1} + \frac{1}{3}$$



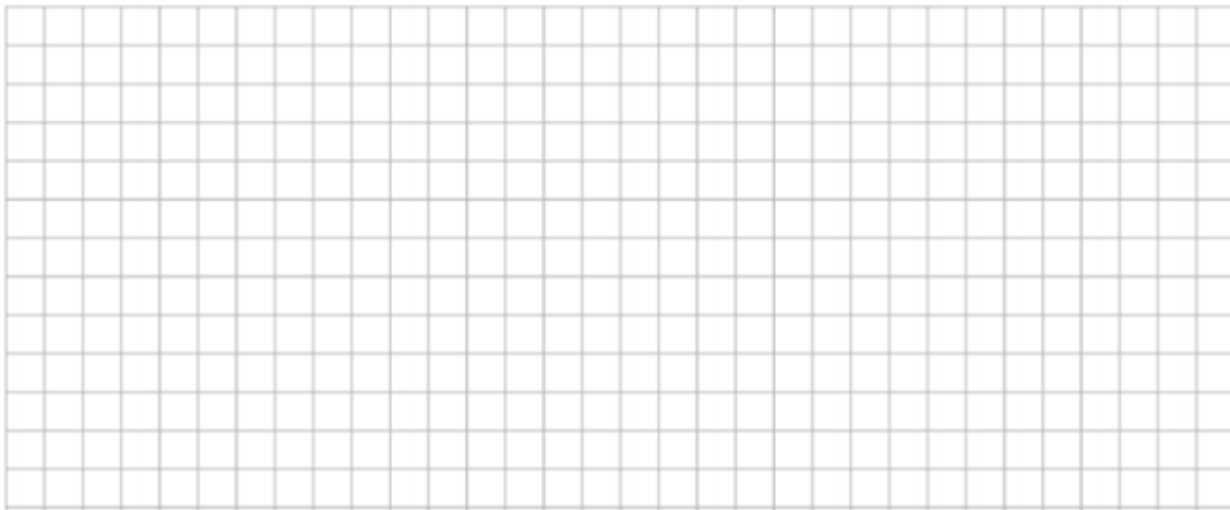
16. Find the value of h in the below

$$\frac{1}{5-4x} + \frac{2}{8x-11} = \frac{h}{(5-4x)(8x-11)}$$



## Long Division

17.  $x^2 + 3x + 2 \div x + 2$



18.  $x^3 - 2x^2 - 9x - 18 \div 2x + 3$



19.  $6x^3 - 13x^2 + 4 \div 2x + 1$

