

Name - \_\_\_\_\_

Start time - \_\_\_ : \_\_\_

End time - \_\_\_ : \_\_\_

**Simplify the expressions.**

a)  $\frac{1}{a-b} - \frac{1}{a+b} =$  \_\_\_\_\_

b)  $\frac{4}{a-b} - \frac{1}{a+b} =$  \_\_\_\_\_

c)  $\frac{5}{x-y} - \frac{3}{2x-2y} =$  \_\_\_\_\_

d)  $\frac{x}{ac} - \frac{x}{bc} + \frac{x}{ab} =$  \_\_\_\_\_

e)  $\frac{a}{bc} + \frac{b}{ac} + \frac{c}{ba} =$  \_\_\_\_\_

f)  $\frac{1}{x^4y^3} + \frac{2}{x^3y^4} =$  \_\_\_\_\_

g)  $\frac{2x+1}{y} \times \frac{3x+2}{2y} =$  \_\_\_\_\_

h)  $\frac{x+1}{x^2+1} - \frac{x+2}{2x^2-2} =$  \_\_\_\_\_

i)  $\frac{a+1}{a^2-a} - \frac{a+2}{2a^2-2} =$  \_\_\_\_\_

j)  $\frac{5a^2-b^2}{ab} - \frac{3a-2b}{b} =$  \_\_\_\_\_

k)  $\frac{a+3b}{(a-b)^2} + \frac{a-3b}{a^2-b^2} =$  \_\_\_\_\_

l)  $\frac{2a-3b}{a} + \frac{4a^2-5b^2}{ab} =$  \_\_\_\_\_

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