

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

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

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

**Simplify the expressions.**

a)  $\frac{7x-1}{2x^2-6x} - \frac{3x-5}{x^2-9} =$  \_\_\_\_\_

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

c)  $\frac{2x-5}{7} + \frac{8(x+1)}{7} =$  \_\_\_\_\_

d)  $\frac{2x-3y}{x^2y} - \frac{4x-5y}{xy^2} =$  \_\_\_\_\_

e)  $\frac{3x}{4a^2b} - \frac{7}{6ab^5} - \frac{5x}{2ab^2} =$  \_\_\_\_\_

f)  $\frac{7a^2}{a^2-9} + \frac{5a}{a-3} + \frac{a}{a+3} =$  \_\_\_\_\_

g)  $\frac{2a^2+3a-5}{a^2b} - \frac{1-4a}{ab} =$  \_\_\_\_\_

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

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

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

k)  $\frac{5}{a+2} + \frac{2a}{a^2+4a+4} - \frac{4}{a-2} =$  \_\_\_\_\_

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