

Classwork 5Intermediate Algebra MTH 35
Topic: Rational Expressions

Name: _____

2. Perform addition/subtraction and simplify.

a. $x - \frac{3}{x}$

b. $\frac{4}{3t} - 2t$

c. $2 - \frac{x}{x+3}$

d. $y - \frac{y+2}{y}$

e. $\frac{1}{x+5} - \frac{x}{x+3}$

f. $u + 1 + \frac{u}{u+1}$

g. $\frac{1}{x} - \frac{2}{x^2} + \frac{3}{x^3}$

h. $\frac{3}{t-3} + \frac{5}{t^2-9}$

2. Find the domain of the following rational expressions.

a. $\frac{3}{x^2}$

b. $\frac{s}{s+4}$

c. $\frac{t-1}{2t-1}$

d. $\frac{2x+1}{5-4x}$

e. $\frac{y^2+1}{y^3-3y^2-10y}$