

UCONN – Math 1011Q

Group Work on Rational Expressions: Calculate Your Areas

1. Find a simplified expression for the area of the figures:

a) $A = lw$

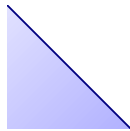
$$\frac{3x-9}{4x}$$



$$\frac{2}{x-3}$$

b) $A = \frac{1}{2}bh$

$$\frac{x}{3}$$



$$\frac{9}{x^3}$$

c) $A = lw$

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



$$\frac{x^2-5x+6}{x^2-4}$$

2. Find a simplified expression for the missing side of the rectangle if $A = \frac{x^2 + x - 12}{x^2 + 7x + 10}$

?



$$\frac{x+4}{x+5}$$