

Name \_\_\_\_\_

Date \_\_\_\_\_

## Equivalent Expressions Independent Practice Worksheet 1

1. Which of the expressions is equal to  $\frac{x^2-y^2}{x-y}$

a)  $x - y$

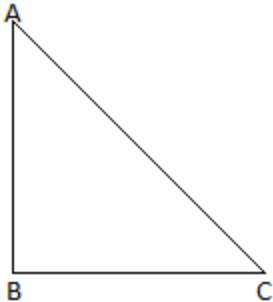
b)  $x + y$

c)  $xy$

d)  $x/y$

2. Complete the below expression to make them equal:  $\frac{x^2-y^2}{x+y} = \frac{[(\quad)(x-y)]}{x+y}$

3. If we have given the below triangle



Then *Area of  $\Delta ABC$*  is equal to which of the expressions?

a)  $\frac{1}{2} * AB * BC$

b)  $\frac{1}{2} * AC * BC$

c)  $\frac{1}{2} * AB * AC$

d)  $2AC * BC$

4. Draw lines to match the equivalent expressions.

$2(a - 3)$

$12$

$4b * 9$

$-6x$

$x(3 - 9)$

$2a - 6$

$12(2 \div 2)$

$9 * 4b$

$3(x - y)$

$3x - 3y$

