

(C1-4.7) Name:

## Homework Questions 7 – Transformation of Any Graphs

1. The curve with equation  $y=f(x)$  passes through the points A(1,2) B(2,10) and C(-4,46). Give the coordinates of A,B&C after the following transformations

a)  $f(x - 2)$

b)  $f(x) - 4$

c)  $3f(x)$

d)  $-f(2x)$

2. The reciprocal function has the equation  $y = \frac{4}{x} - 3$  State the equation of the asymptotes

after the following transformations

e)  $f(x - 4)$

f)  $f(x) + 1$

g)  $f(x + 2) - 3$

h)  $y = (x - 1) + 7$