# 2.3 - 2.4 Warm Up

1) Write the equation of a logarithmic function (base 4) that has been vertically stretched by a factor of 3 and translated left 5 units

2) What is the equation of the asymptote for the following function:

$Log_5(x + 4) + 4$

3) What is the domain and range for the following function:

$Log_{10}(x - 1) -2$

4) Describe the transformations present for the following function

$f(x) = -3 Log_6 x - 5$

5) Convert the following function to Exponential Form

$Log_5 1/125 = -3$

6) Convert the following to Logarithmic Form

$x^y = z$

7) Solve the following equation for x

$Log_8 (2x - 5) = Log_8 17$