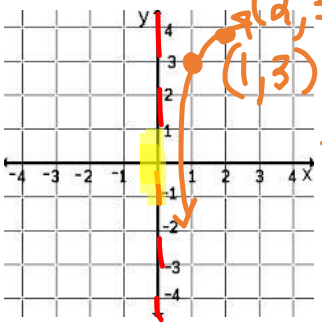
Exponential and Logarithmic Graphs **REVIEW**

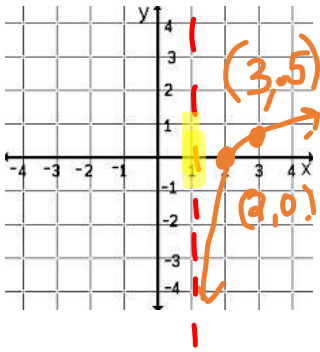
Name Answers

1) Graph $lnx + 3$ up 3



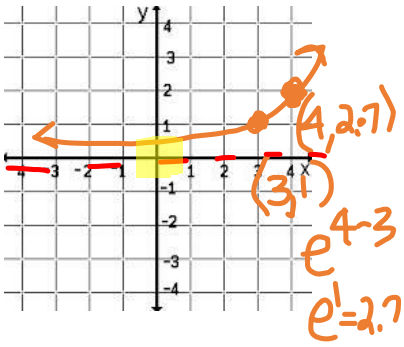
Domain: $(0, \infty)$
Range: $(-\infty, \infty)$

2) Graph $log_4(x-1)$ right 1



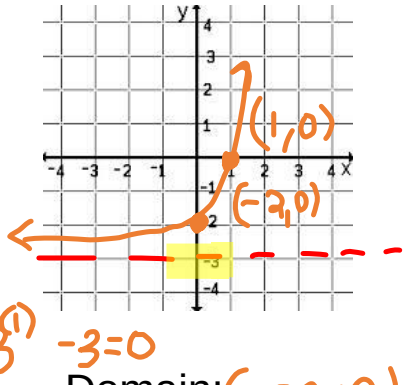
Domain: $(1, \infty)$
Range: $(-\infty, \infty)$

3) Graph e^{x-3} right 3



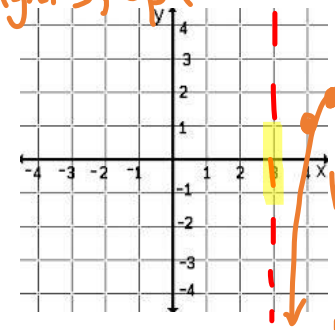
Domain: $(-\infty, \infty)$
Range: $(0, \infty)$

4) Graph $3^x - 3$ down 3



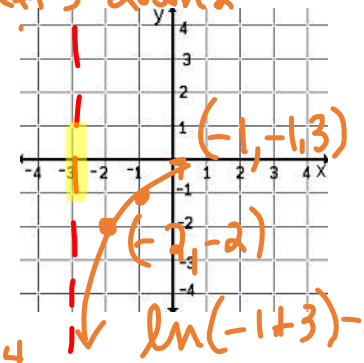
Domain: $(-\infty, \infty)$
Range: $(-3, \infty)$

5) Graph $log_5(x-3)+1$ right 3, up 1



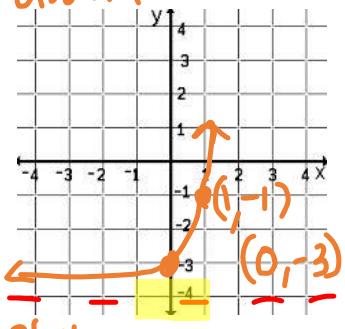
Domain: $(3, \infty)$
Range: $(-\infty, \infty)$

6) Graph $ln(x+3)-2$ left 3 down 2



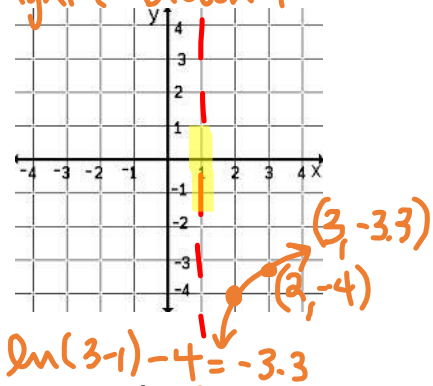
Domain: $(-3, \infty)$
Range: $(-\infty, \infty)$

7) Graph $3^x - 4$ down 4



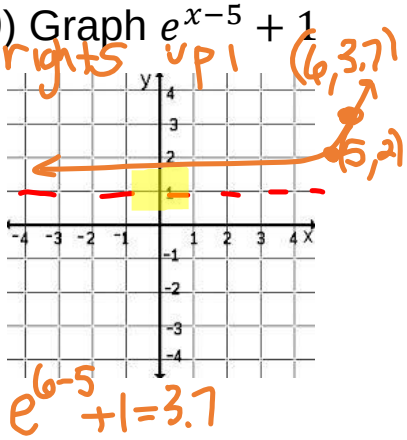
Domain: $(-\infty, \infty)$
Range: $(-4, \infty)$

8) Graph $ln(x-1)-4$ right 1 down 4



Domain: $(1, \infty)$
Range: $(-\infty, \infty)$

9) Graph $e^{x-5}+1$ right 5 up 1



Domain: $(-\infty, \infty)$
Range: $(1, \infty)$