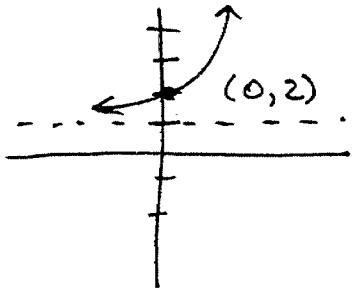
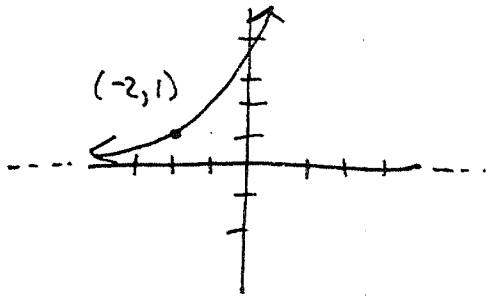
Graphing Exponentials + Logs

1. $f(x) = 2^x + 1$



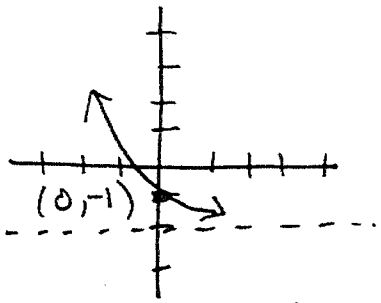
D: $(-\infty, \infty)$
R: $(1, \infty)$
h.a $y = 1$

2. $f(x) = 2^{x+2}$



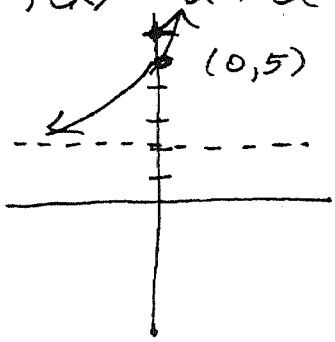
D: $(-\infty, \infty)$
R: $(0, \infty)$
h.a. $y = 0$

3. $f(x) = 3^{-x} - 2$



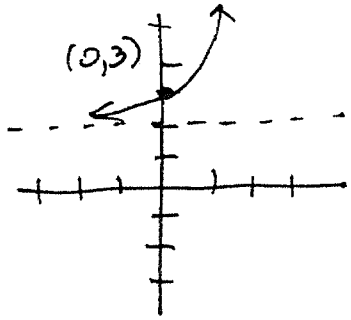
D: $(-\infty, \infty)$
R: $(-2, \infty)$
h.a $y = -2$

4. $f(x) = 2 + 3(4)^x$



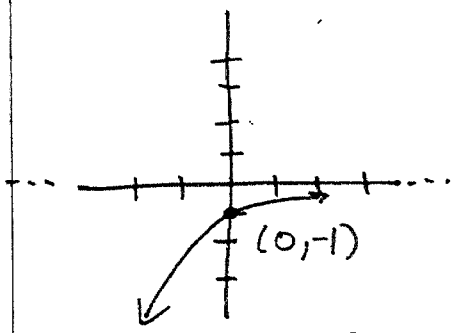
D: $(-\infty, \infty)$
R: $(2, \infty)$
h.a $y = 2$

5. $f(x) = 2 + 3^{x/2}$



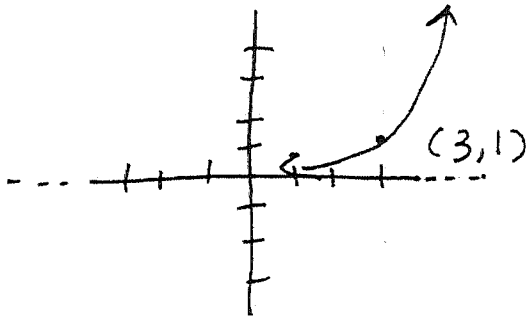
D: $(-\infty, \infty)$
R: $(2, \infty)$
h.a $y = 2$

6. $f(x) = -e^{-x}$



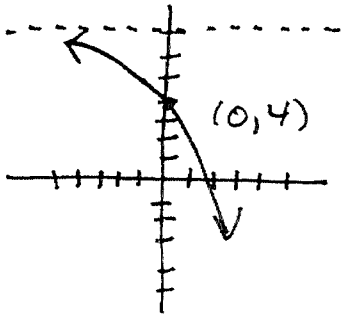
D: $(-\infty, \infty)$
R: $(-\infty, 0)$
h.a. $y = 0$

7. $f(x) = e^{x-3}$



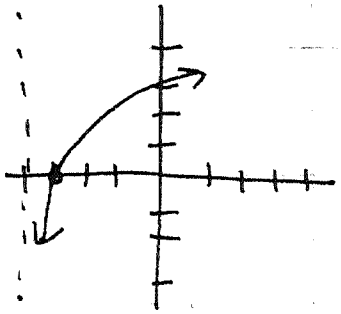
D: $(-\infty, \infty)$
R: $(0, \infty)$
h.a. $y = 0$

8. $f(x) = 7 - 3e^{2x}$



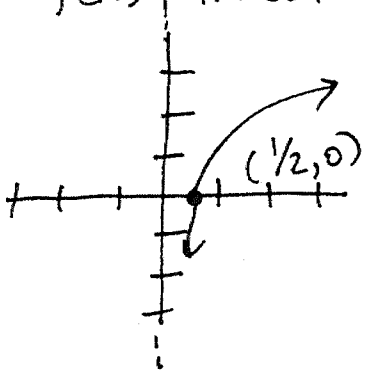
D: $(-\infty, \infty)$
R: $(-\infty, 7)$
h.a. $y = 7$

9. $f(x) = \ln(x+4)$



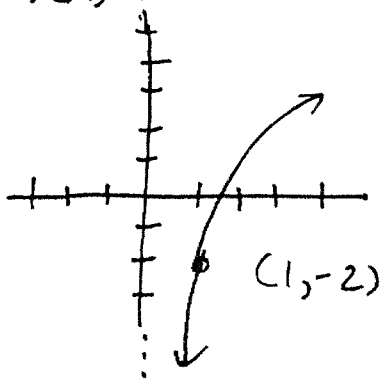
D: $(-4, \infty)$
R: $(-\infty, \infty)$
v.a. $x = -4$

10. $f(x) = \ln(2x)$



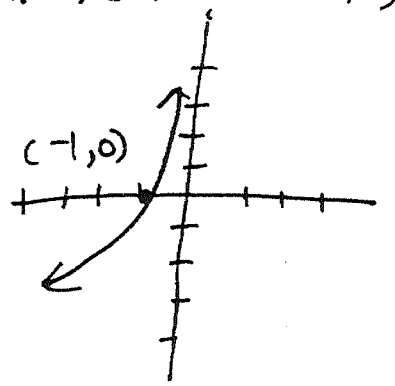
D: $(0, \infty)$
R: $(-\infty, \infty)$
v.a. $x = 0$

11. $f(x) = 3\ln x - 2$



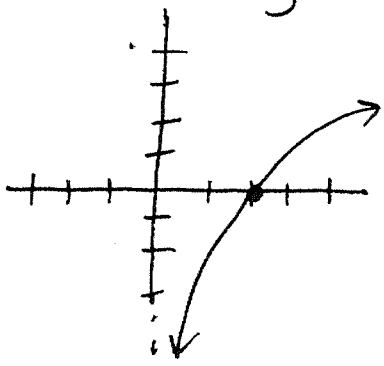
D: $(0,\infty)$
R: $(-\infty,\infty)$
V.a. $x=0$

12. $f(x) = -\ln(-x)$



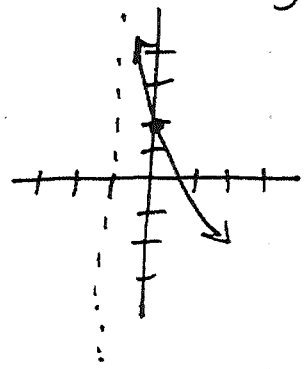
D: $(-\infty,0)$
R: $(-\infty,\infty)$
V.a $x=0$

13. $f(x) = \log(\frac{1}{2}x)$



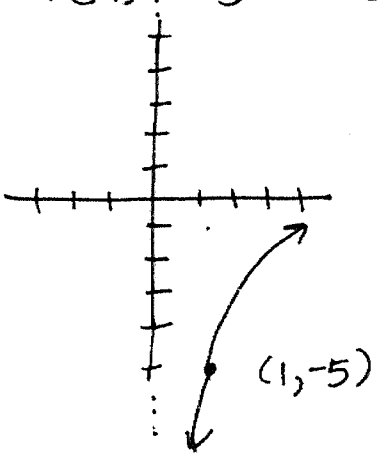
D: $(0,\infty)$
R: $(-\infty,\infty)$
V.a $x=0$

14. $f(x) = 2 - \log(x+1)$



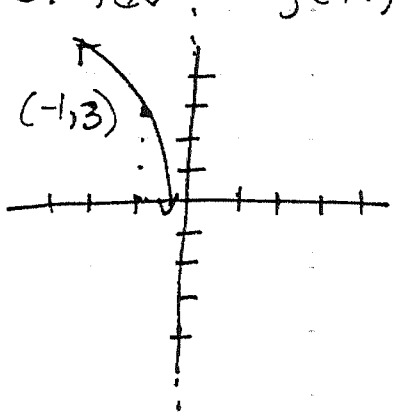
D: $(-1,\infty)$
R: $(-\infty,\infty)$
V.a $x=-1$

15. $f(x) = -5 + 2\log x$



D: $(0, \infty)$
R: $(-\infty, \infty)$
V.a. $x = 0$

16. $f(x) = \log(-x) + 3$



D: $(-\infty, 0)$
R: $(-\infty, \infty)$
V.a. $x = 0$