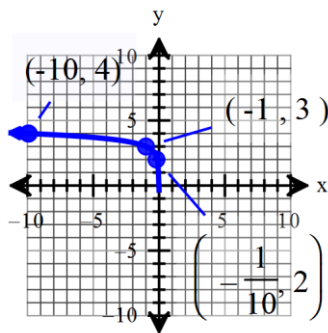


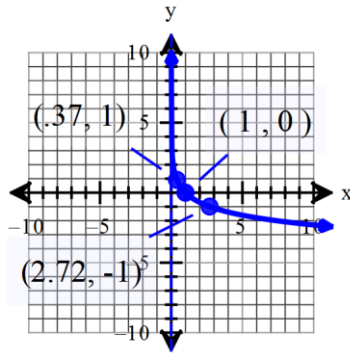
**SM3 11.3 odd answers**

1.  $(0, \infty)$
3. false
5.  $\log_3 9 = 2$
7.  $\log_3 4.6 = x$
9.  $2^3 = 8$
11.  $2^x = 6$
13.  $x = 0$
15.  $x = 3$
17. 0.9745
19. 1.3987
21. 0.5365
23. -53.9905
25.  $(10, \infty)$
27.  $(-\infty, -2)$

29. Domain:  $(-\infty, 0)$   
 VA:  $x = 0$   
 reflect over y-axis,  
 translate up 3  
 Range:  $(-\infty, \infty)$



31. Domain:  $(-\infty, 0)$   
 VA:  $x = 0$ , reflect over x-axis  
 Range:  $(-\infty, \infty)$



33. Domain:  $(4, \infty)$ , VA:  $x = 4$   
 translate right 4, up 2  
 Range:  $(-\infty, \infty)$

