

SM3 11.4 odd answers

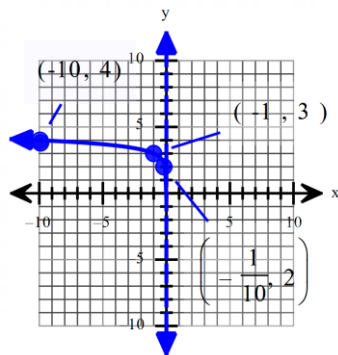
1. $(0, \infty)$
3. false
5. $\log_3 9 = 2$
7. $\log_3 4.6 = x$
9. $2^3 = 8$
11. $2^x = 6$
13. $x = 0$
15. $x = 3$
17. 0.9745
19. 1.3987
21. 0.5365
23. $(10, \infty)$
25. $(-\infty, -2)$

27. Domain: $(-\infty, 0)$

VA: $x = 0$

reflect over y -axis,
translate up 3

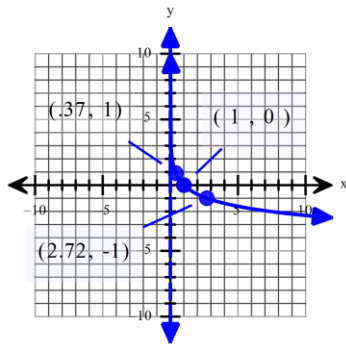
Range: $(-\infty, \infty)$



29. Domain: $(0, \infty)$

VA: $x = 0$, reflect over x -axis

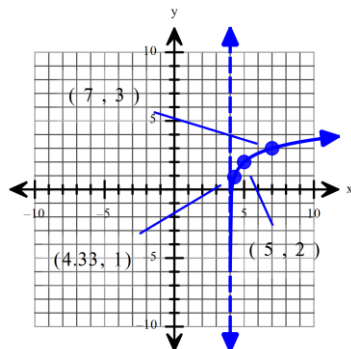
Range: $(-\infty, \infty)$



31. Domain: $(4, \infty)$, VA: $x = 4$

translate right 4, up 2

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



33a. 25 decibels

33b. 134 decibels, wear ear protection