

MPS22-HW#22

361: 3, 4, 5, 7, 9, 15, 25, 29, 31

362: 41

343: 9, 33, 45

344: 54abc

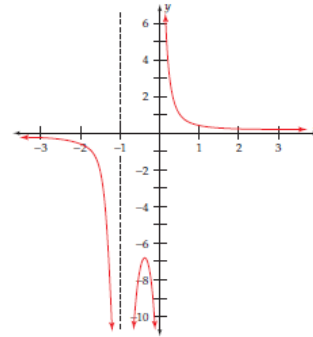
290: 31

291: 67b

Select the correct number that corresponds to the right answer. There are more answers than questions. The answers may be repeated.

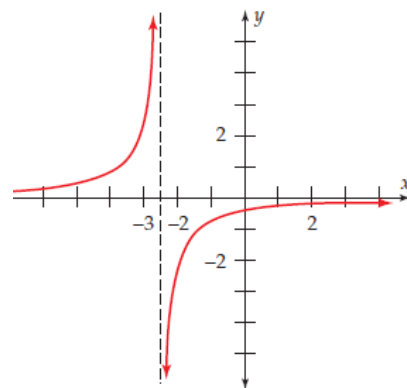
1. Odd
2. Even
3. Neither
4. \sqrt{e}
5. 2.5
6. 65.57
7. $\frac{1}{2}$
8. $10^{2.8751} = 750$
9. $750^{2.8751} = e^x$
10. 2.5
11. -2.5
12. Stretch the graph vertically by a factor of 4
13. Compress the graph horizontally by a factor of $\frac{1}{4}$
14. $\frac{2}{3}$
15. $-\frac{2}{3}$
16. 931
17. $\ln 931$
18. $e^3 = 1000$
19. $10^3 = 1000$
20. They are exactly the same
21. Stretch the graph vertically by a factor of 2
22. $\sqrt{43}$
23. 65.6
24. X-axis is a horizontal asymptote; local minimum at (1.44, 0.53)
25. Y=0 is a horizontal asymptote; local maximum at (1.44, 0.53)

26. $\log 0.01 = -2$
27. $0.01^{-2} = 10^x$
28. Stretch the graph away from the x-axis by a factor of 2
29. 62.2/73.5/2000/no, limit at 76.7
30. 63/73.5/200/yes
- 31.



vertical asymptotes $x = -1, x = 0$
horizontal asymptote $y = 0$

32.



vertical asymptote $x = -2.5$
horizontal asymptote $y = 0$