

MPS22-HW#21

343: 6, 10, 32, 44

344: 52, 53

290: 28, 29

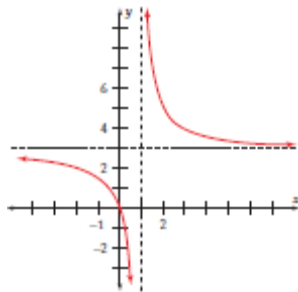
291: 67a

292: 73a

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

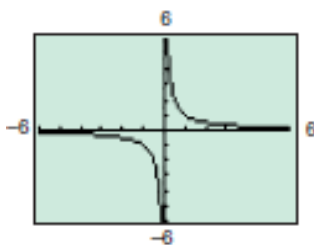
1. Odd
2. Even
3. Neither
4. $0.06x^2 + \frac{50}{x}$
5. Y-axis is a vertical asymptote. Local minimum at (-1.443, 0.531)
6. 128,180; 13.07
7. Stretch the graph vertically by a factor of 2.5
8. Stretch the graph horizontally by a factor of 2.5
9. 74;76;1930
10. 64;66;1929
11. X-axis is horizontal asymptote. Local minimum at (-1.443, -0.531)

12.

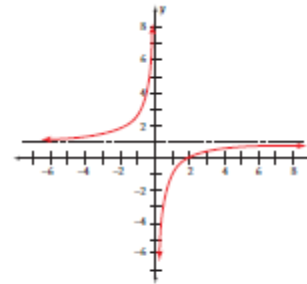


vertical asymptote $x = 1$
horizontal asymptote $y = 3$

13.



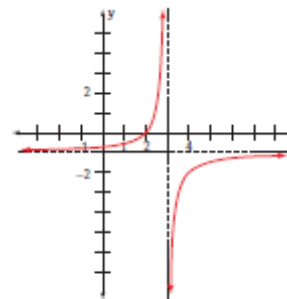
14.



vertical asymptote $x = 0$
horizontal asymptote $y = 1$

15. Shift the graph horizontally 1 unit to the left then reflect it across the origin, then stretch it vertically by a factor of 1/5, then shift it vertically 7 units up.

16.



vertical asymptote $x = 3$
horizontal asymptote $y = -1$

17. Shift the graph horizontally 1 unit to the right then reflect it across the x-axis, then stretch it vertically by a factor of 5, then shift it vertically 7 units up