MPS22-HW#20

343: 4, 12, 18, 21
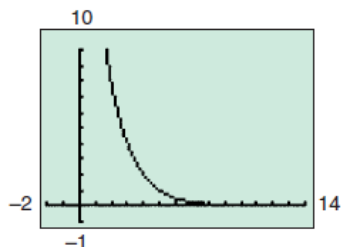
344: 50, 51

290: 12, 18, 27

292: 72c, 72d

272: 50
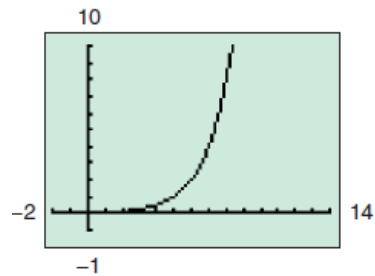
248: 11

249: 43

Select the correct number that corresponds to the right answer. There are more answers than questions. The answers may be repeated.
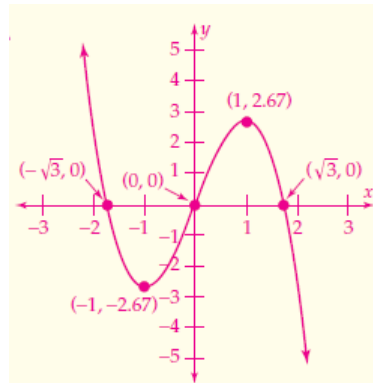
1. Yes
2. No
3. B,C,A,D
4. B,C,D,A
5. C,B,A,D
6. Shift the graph horizontally 1 unit to the right
7. Shift the graph vertically 1 unit up
8. 783.36; 813.77
9. 55.9% ; 1.12
10. Stretch the graph vertically by a factor of 5, then translate it vertically 8 units up
11. 521,1559; 29.3
12. $2x^3 - x^2 + 3x - 11$; 25
13. $2x^3 + x^2 - 3x - 11$; 25
14. Stretch the graph vertically by a factor of 8, then translate it vertically 5 units up
15. Hole at x = 3; vertical asymptote at x = -2
16. Horizontal asymptote at c = 0; amount gets very small
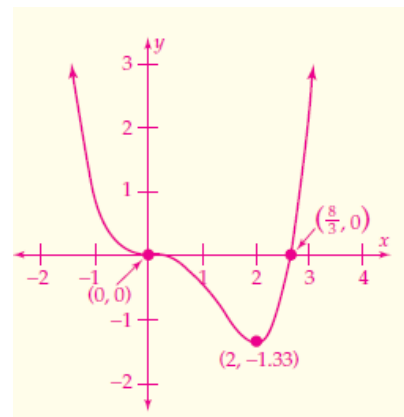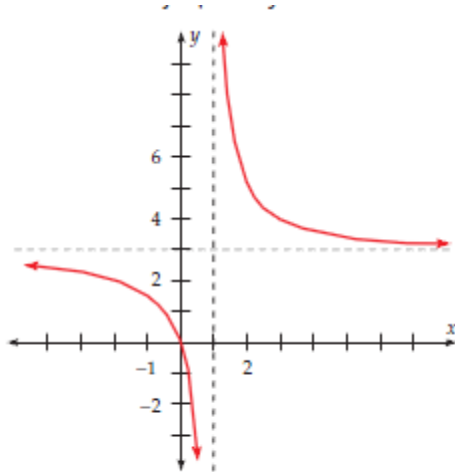17. Horizontal asymptote at c = 1; amount gets very large

18.

19.

20.

21.

22. y = 16; -500 ≤ x ≤ 500 and 0≤ y ≤ 20

23.

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