

MPS22-HW#19

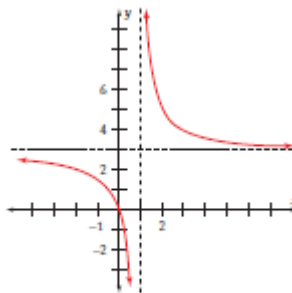
343: 1, 2, 3, 7, 8, 20

290: 5, 11, 17, 26

292: 72b

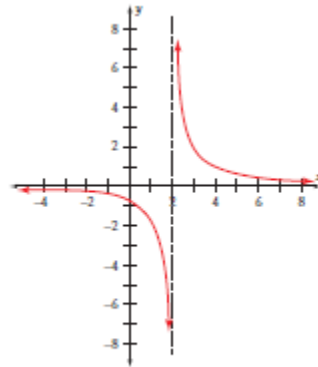
Select the correct number that corresponds to the right answer. There are more answers than questions. The answers may be repeated.

1. Shift the graph vertically 5 units up
2. All real numbers except  $\pm\sqrt{2}$
3. Reflect the graph across the x-axis
4. B, A, C
5. Reflect the graph across the y-axis
6. Shift the graph vertically 5 units downward
7.  $y = -\frac{5}{2}$ ; any window with  $-40 \leq x \leq 42$
8. Shift the graph vertically 4 units up
9. Vertical asymptote at  $x = 2$  and  $x = -2$ ; hole at  $x = -2$  and  $x = 2$
10. C, A, B
11. Stretch the graph vertically by a factor of -3
12. All real numbers except  $\pm\sqrt{2}$  and 1
13.  $y = \frac{5}{2}$ ; any window with  $-40 \leq x \leq 42$
14. Vertical asymptote at  $x = -2$ ; hole at  $x = 2$
15. Stretch the graph vertically by a factor of 3
- 16.



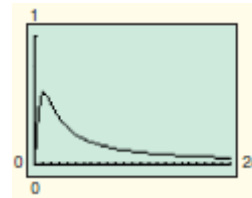
vertical asymptote  $x = 1$   
horizontal asymptote  $y = 3$

17.



vertical asymptote  $x = 2$   
horizontal asymptote  $y = 0$

18.



19.

