

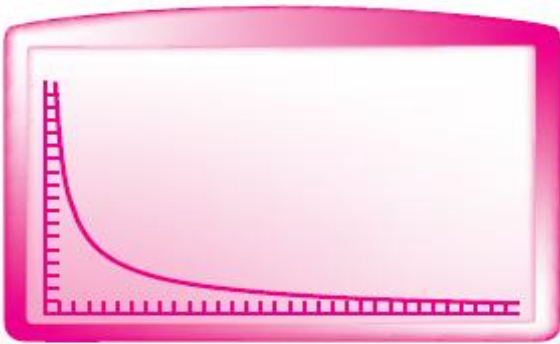
Please select the correct answer number for each question. There are more answers than questions. Answers may be repeated.

- 1) **vertical asymptote at $x = -2$;
hole at $x = 2$**

2) **3**

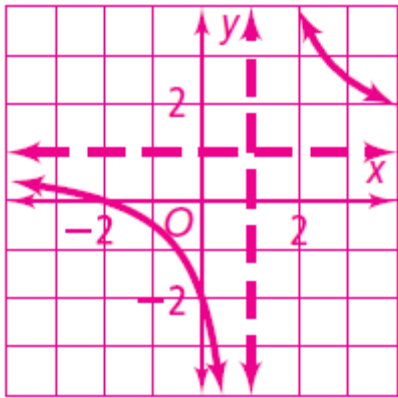
- 3) **all real num except $x = -3$;
 $(4, 0), (0, -4)$; removable**

- 4) **$y = \frac{0.02x + 3500}{x}$, where $x =$ number of pages**



5) **$y = 1$**

- 6) **all real num except -1 ; $x = -1$, no
 x -intercept, $(0, 2)$; non-removable**



7)

vertical asymptote at $x = 1$; hole at $x = 0$

8)

$$y = 2$$

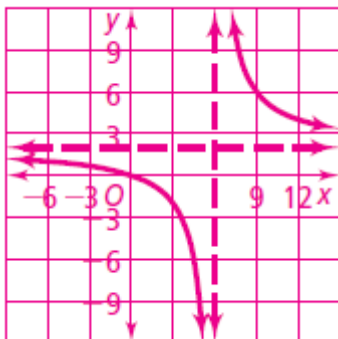
9)

10) $\$3.52; \1.77

11) vertical asymptote at $x = 4$

12) $x = 0; y = 0.02$

13)



14)

The horizontal asymptote should be $y = 0$, because the degree of the numerator is less than the degree of the denominator. The zeros of the denominator are $x = 0$ and $x = -2$, so there should also be a vertical asymptote at $x = -2$.

15) at least 2365 pages