

|      |        |
|------|--------|
|      |        |
| 2010 | -      |
| :    | / / 3: |

| 5 | 1,5  | ( 5 )                          | (1) |
|---|------|--------------------------------|-----|
|   | 1,5  |                                | (2) |
|   | 1    | . 1                            | (3) |
|   | 1    | . 10                           | (4) |
| 5 | 1    | . $U_4 = 27$ و $U_2 = 17$ :    | (1) |
|   | 1    | $r = 5$                        | (2) |
|   | 1    | $U_n = 5n + 7$ :               | (3) |
|   | 0,75 | $S_n = \frac{n}{2}(5n + 19)$ : | (4) |
|   | 1,25 | . 6 n                          |     |

10

1  
1  
1  
1  
2  
2  
2

$$\lim_{x \rightarrow -\infty} f(x) = 1 \quad \lim_{x \rightarrow +\infty} f(x) = 1 \quad (1)$$

$$\lim_{x \rightarrow -3^-} f(x) = -\infty \quad \lim_{x \rightarrow -3^+} f(x) = +\infty$$

$$. x = -3 \quad y = 1$$

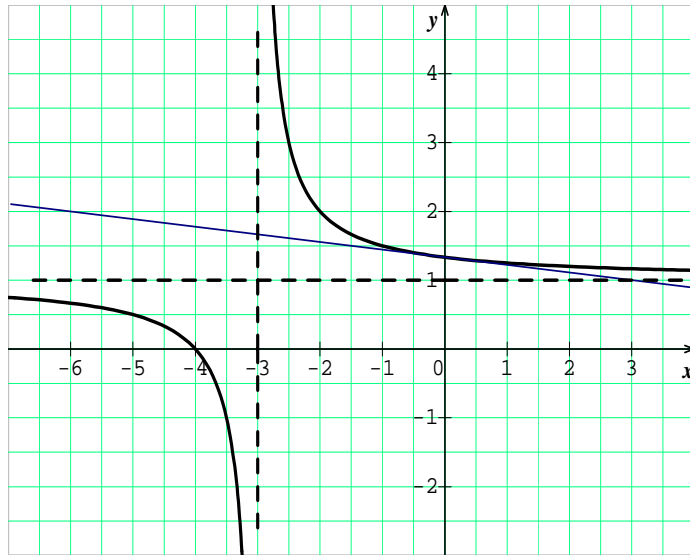
$$f'(x) = \frac{-1}{(x+3)^2} : \quad (2)$$

$$. ]-3; +\infty[ \quad ]-\infty; -3[$$

$$. y = \frac{-1}{9}x + \frac{4}{3} : \quad (3)$$

$$. (C_f) \quad (4)$$

$$: \quad (5)$$



حل التمرين 3