| Navn:         |  | Skole:              |                  |
|---------------|--|---------------------|------------------|
| Klasse:<br>20 |  | Dato: 7. marts 2022 | Fag: Matematik A |

## Opgave 307

$$f(x) = \frac{1}{x}, x \neq 0$$

Opgave A

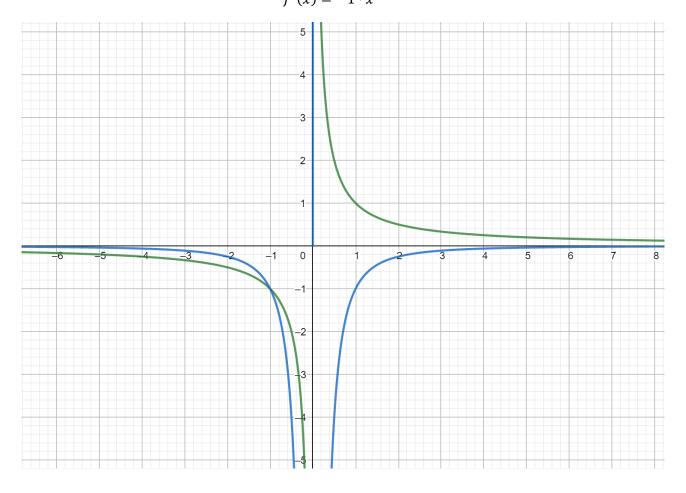
$$f(x) = \frac{1}{x}$$

$$f(x) = x^{-1} \quad Lav \text{ funktionen om}$$

$$f'(x) = n \cdot x^{n-1}$$

$$f'(x) = -1 \cdot x^{-1-1}$$

$$f'(x) = -1 \cdot x^{-2}$$



Opgave B

$$f'(0.5) = -4$$
  
$$f'(1) = -1$$

| Navn:         |  | Skole:              |                  |
|---------------|--|---------------------|------------------|
| Klasse:<br>20 |  | Dato: 7. marts 2022 | Fag: Matematik A |

$$f'(2) = -\frac{1}{4}$$

Opgave C

$$f'(-0.5) = -1$$
$$f'(-1) = -1$$
$$f'(-2) = -\frac{1}{4}$$