

3. [6 points] The values of the functions  $f(x)$ ,  $g(x)$  and  $h(x)$  are given below.

|        |     |      |     |      |
|--------|-----|------|-----|------|
| $x$    | 0   | 4    | 8   | 12   |
| $f(x)$ | 100 | 20   | 4   | 0.8  |
| $g(x)$ | 3.6 | 4.7  | 5.8 | 6.9  |
| $h(x)$ | -4  | -3.6 | -3  | -0.9 |

- a. [2 points] Which of the following functions could be linear? Circle all that apply.

 $f(x)$  $g(x)$  $h(x)$ 

None of these

- b. [2 points] Which of the following functions could be exponential? Circle all that apply.

 $f(x)$  $g(x)$  $h(x)$ 

None of these

- c. [2 points] Which of the following functions could be concave up? Circle all that apply.

 $f(x)$  $g(x)$  $h(x)$ 

None of these