

7. [8 points] The following table shows some values of 3 different functions:

x	6	7	9
$f(x)$	27	18	8
$g(x)$	15	20	25
$h(x)$	12	16	24

This blank space is for your work and calculations.

Circle **all** correct options for each part.

- a. [2 points] Which of these functions could be linear?

$f(x)$ $g(x)$ $h(x)$ NONE OF THESE

- b. [2 points] Which of these functions could be exponential?

$f(x)$ $g(x)$ $h(x)$ NONE OF THESE

- c. [2 points] Which of these functions could be concave up on the interval $[6, 9]$?

$f(x)$ $g(x)$ $h(x)$ NONE OF THESE

- d. [2 points] Which of these functions could be increasing on the interval $[6, 9]$?

$f(x)$ $g(x)$ $h(x)$ NONE OF THESE