2. [13 points] The table below contains some information about the functions $A(w), B(w)$ and $C(w)$.

w	-1	0	2
$A(w)$	2.5	3	4.32
$B(w)$	1.8	1	-0.6
$C(w)$	5	0	-2.5

There is **exactly one** linear and **exactly one** exponential function.

a. [7 points] In the following sentences, circle one option when it is indicated and fill in the blanks with the correct value based on the function you circled:

The function $A(w)$ / $\boxed{B(w)}$ / $C(w)$ *(circle one)* is linear.

The slope is _____-0.8_____ and the vertical intercept is _____1_____.

The function $\boxed{A(w)}$ / $B(w)$ / $C(w)$ *(circle one)* is exponential.

The initial value is _____3_____ and the $\boxed{\text{GROWTH}}$ / DECAY *(circle one)* rate is _____20_____%.

b. [3 points] Decide which of the functions **could** be **decreasing**. Circle **all** that apply.

$A(w)$ $\boxed{B(w)}$ $\boxed{C(w)}$ None

c. [3 points] Decide which of the functions **could** be **concave up**. Circle **all** that apply.

$\boxed{A(w)}$ $B(w)$ $\boxed{C(w)}$ None