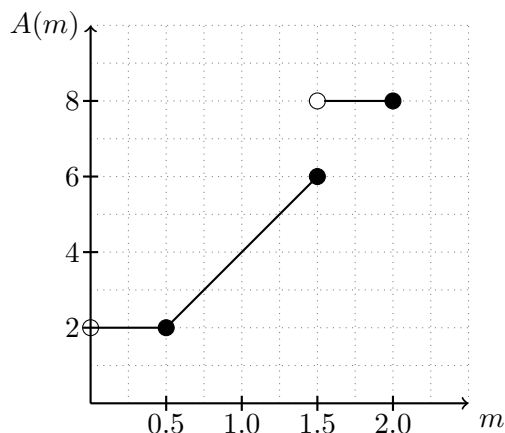


5. [10 points] Some information about three functions A , B and C is given below.



| | | | | | |
|--------|---|---|---|----|----|
| m | 3 | 4 | 5 | 10 | 12 |
| $B(m)$ | 5 | 6 | 6 | 2 | 6 |

$C(m)$ is an exponential decay function with a (non-continuous) decay rate of 70%, and vertical intercept 5.

For each part, you do not need to show your work, but you may receive partial credit for work shown.

a. [2 points] $A(C(1)) =$

b. [2 points] $A(B(10)) =$

c. [2 points] $\lim_{m \rightarrow \infty} C(m) =$

d. [4 points] Find all solutions to the equation

$$B(A(m)) = 6.$$

$m =$ _____