- 2. [10 points] The Executive Director of the Go Blue Zoo is managing the zoo's finances. She tracks the following functions:
 - \bullet O(n) is the number of pounds of fish per day used to feed n otters.
 - P(m) is the number of pounds of fish per day used to feed m penguins.
 - F(s) is the cost, in dollars, of s pounds of fish.
 - **a.** [6 points] For each of the following, describe the meaning of the expression or equation in the director's context, or explain why the expression or equation doesn't make sense.
 - (i) O(6) = 70
 - (ii) $O^{-1}(P(8))$
 - (iii) P(10) + F(10)

- **b.** [4 points] For each of the following statements or quantities, write an equivalent mathematical expression or equation, or explain why there isn't enough information to do so.
 - (i) To feed its 5 otters and 8 penguins, the zoo uses 86 pounds of fish per day.

Expression or Equation:

(ii) The daily cost, in dollars, of feeding 5 otters.

Expression or Equation: