Questions for Domain and range worksheet

#1 If the domain is $3 \leq x \leq 6$, what is the range?
   Draw the domain.
   Is y = 3/2 in the domain of $2 \leq x \leq 5$?
   Is x = 11/2 in the range of $-2 \leq x \leq 4$?

#2 What is the domain of the function that
   has positive y values?
   Is y = 5 in the domain $3 \leq x \leq 6$?
   Is x = -6 in the range $-2 \leq y \leq 2$?

#3 Mark the domain $3 \leq x \leq 7$ using vertical
   lines on the graph.
   Is y = 3 in that domain?
   Is y = -5 in that domain?

   Is x = 2 in the range of $-4 \leq y \leq 0$?
   If x = 6, y is approximately equal to _____.

#4 Place an X on the point in $-1 \leq x \leq 3$.
   Place an M on the point in $3 \leq x \leq 5$.
   Place an O on the point in $-8 \leq x \leq 4$.
   Place a T on the point in $-6 \leq y \leq -3$.
   Find the domain or range that
   include the remaining point.
   A. $-1 \leq x \leq -2$
   B. $-1 \leq x < -2$
   C. $-1 \leq x \leq 1$
   D. $0 \leq x \leq 2$