1.) If f(x) = , which of these is true?

I. f has domain all real numbers

II. f is a 1-1 function

III. f is onto the set of real numbers

1. Only one (could be any one
2. I and II
3. II and II
4. I and II
5. All three

2) solve +2x =7

3) If log 3 = 1.4 and log5 = 3.6, find log 45

4) Find the period of f(x)= 3-2cos(3x + π)

5) find csc(arctan 8/15)

6) for x €[0, 2π), solve: cos2x = cosx