Prove the following languages are regular a. {on mon/min >03= Pumping Lemme, 7 a pumping length, pfor L y string in language L where $|s| \ge p_y s = xy$ Let $s = 0^{n} | 0^{n} | s | \ge p$ using condition $|xy| \le p$ m = 1 $|x| \le p$ using condition $|xy| \le p$ m = 1Using (a) $|y| = 0^{n}$ for some $|x| \le p$. In (c) if i= 0, the result is within L. Therefore xy 2 should

xy 2 = xz = 0 co-10 0

But this does not reside in L, there fore contradicts

and is not a regular language