Using the *Z* method, *show* whether each of these production functions does or does not have constant returns to scale. Be sure to put the question mark above the "equals sign" until you get to the bottom line. like this:

=
=

If your answer is "yes, it does have constant returns," make sure that the bottom-line equation is *exactly the same* on the left- and right-hand sides.

If your answer is "no, it does not have constant returns, make sure to *circle* the parts of the the left- and right-hand sides that are *different*.

A)
$$Y = 10 + K^{1/2}L^{1/2}$$
 Does it have constant returns? _____ (yes or no)

B)
$$Y = K^{1/3}L^2$$
 Does it have constant returns? _____ (yes or no)