Name:
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- 1. Consider the group \mathbb{Z}_{18} .
 - (a) Give an example of a normal series for \mathbb{Z}_{18} that is not a composition (or principle) series.

(b) Show how you can use quotient groups to extend your normal series to a composition series.

(c) Give a different composition series and find all of its quotient groups. How do these relate to the quotient groups of the other composition series?