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Time 1 hour 30 minutes

Paper
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1MA1/2H

Mathematics

PAPER 2 (Calculator)

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You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, calculator, Formulae Sheet (enclosed). Tracing paper may be used.

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web description a boost converter is a dc dc power converter which steps up voltage from its input source to its output load in continuous conduction mode current through the inductor never falls to zero the theoretical transfer function of the boost converter is where is the duty cycle