Homework 4

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1. (a) The characteristic equation is . .

∴

∵

∴

∴

(b) The characteristic equation is

∴

∴ , ,

∴

∴

1. (a)

(b)

(c)

(d) ∵ ,

∴ ,

∴

(e) , , ,

3. The characteristic equation is . .

∴