

**FIGURE P9-9**

Problem 9-42 From P. H. Hill and W. P. Rule. (1960). *Mechanisms: Analysis and Design*

- [†]9-42 Figure P9-9 shows a compound epicyclic train. Shaft 1 is driven at 300 rpm CCW and gear A is fixed to ground. The tooth numbers are indicated in the figure. Determine the speed and direction of shaft 2.

* Answers in Appendix F.

[†] These problems are suited to solution using *Mathcad*, *Matlab*, or *TKSolver* equation solver programs.