Questions: Lectures 5 and 6

Amba Kulkarni

Fellow IIAS, Shimla

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Exercise-1

- (***) Explain the construction of bricks of various size for Śyenaciti.
- (***) Give a step by step procedure to draw a square with a śulba (string).
- (***) How will you draw a square of size equal to the sum of two sqwares using a strings.
- (***) How will you draw a square of size equal to the difference of two sqwares using a strings.
- (***) How to draw a square of area equal to that of a rectangle?
- (****) Explain the formula given by Baudhāyana for drawing a circle of area equal to a given square. Calculate the error in the area of a circle thus drawn.
- (***) Explain the formula by Baudhāyana for drawing a square of area equal to that of a given circle. Calculate the error in the area of a square thus drawn.
- (*****) Justify the formula given by Baudhāyana to calculate the square root of two, following the procedure of squaring a