

**Worksheet 3**

DR. M. P. M. M. McLOUGHLIN

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1. Find the area of the region bounded by  $y^2 = x + 2$  and  $y = x$ .
2. Find the area of the region bounded by  $y = 4x - x^2$ ,  $y = x$  from  $x = 0$  to  $x = 5$ .
3. Do problems 1, 4, 6, 9, 19 on page 191 of Riddle.