5. Evaluate these two expressions:  and . Compare the results.

6. Find the area of a circle of radius .

|  |  |
| --- | --- |
| 7. One strip of pink roses will be planted at the tip of the rose garden shown in the figure. Find the area of the strip of pink roses. | fig_11_3 |

14. Solve for  using (a)  and (b) . Do the two results agree? Which method is easier?

15. Evaluate . Verify the result by differentiation.