

3. Određeni integral, 2. dio - Rješenja

1. $P = 3.$

2. $P = \frac{1}{3} + \frac{\pi}{2}.$

3. $P = \frac{9}{2}.$

4. $P = \frac{13}{2}.$

5. $P = \frac{3a^2\pi}{8}$

6. $P = a^2.$

7. $P = \frac{3a^2\pi}{2}.$

8. $O \approx 5.10.$

9. $l \approx 7.63.$

10. $l = 12.$

11. $l = \sqrt{2}(\pi - 1).$

12. $l = \frac{a}{8}(2\pi + 3\sqrt{3}).$

13. $l = 8a.$

14. $V = \frac{\pi}{2}.$

15. $V = 10\sqrt{10}\pi.$

16. $V = \frac{32a^3\pi}{105}.$

17. $V = 5\pi^2a^3.$

18. $P = \frac{8\pi}{3}(\sqrt{125} - 1).$

$$19. P = 2\pi \left[\sqrt{2} + \ln(\sqrt{2} + 1) \right].$$

$$20. I \approx 0.38463.$$

$$21. l = \frac{\pi}{12} \left(b + a + 4\sqrt{\frac{a^2 + b^2}{2}} \right).$$

$$22. I \approx 1.83.$$

$$23. I \approx 37.9655.$$