练习 20 答案:

- 1, 0
- $2, -\frac{\sqrt{15}}{4}$
- 3、充要
- $4, \frac{2}{3}\pi$
- $5, 2600\pi$
- $6, \frac{6}{5}$
- 7、(0,1)
- 8、(1)(4)
- 9, 420
- $10, \frac{2}{15}V$
- 11, $\frac{2+2\sqrt{3}}{3}$
- $12, \frac{\sqrt{5}}{5}$
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- 17, (1) 2; (2) $\frac{\sqrt{2}}{4}$
- 18、(1) 略; (2) 3
- 19, (1) $\left(-\frac{\sqrt{2}+1}{2}, -1\right)$; (2) a = -1
- 20, (1) $\frac{x^2}{4} + \frac{y^2}{3} = 1$; (2) $\frac{7}{3}$; (3) $m = \frac{5}{3}$
- 21, (1) $a_n = 2n 1$, $b_n = \begin{cases} -1, n = 1 \\ 2^{n-1}, n \ge 2 \end{cases}$; (2) a) $S_n = \begin{cases} n^2, n \le 4 \\ n^2 4n + 16, n \ge 5 \end{cases}$;
- b) 存在,m最大值为 6,举例: $\{a_n\}$:1,3,1,3,5,7,9,…; $\{b_n\}$:-1,2,4,8,-16,32,…