

Selected Answers to Extra Problems on Double and Triple Integrals

These are numerical answers for the integrals.

1. (c) 20π .

2. (a) 3.

(c) $\frac{3}{8}(e^8 - 1)$.

3. $2\pi\sqrt{33}$.

5. $\frac{423}{35}$.

7. $\frac{8\pi\sqrt{2}}{3}$.

8. (a) $8\pi\sqrt{2}$.

(b) $\frac{16\pi}{3}$.

(c) $\frac{32\pi}{3}$.