

15.3

1. $(1-e^{-2})(e-1)$
2. -6.25
3. $\frac{1}{6}$
4. $\frac{1}{16}$
5. $e^{-5/2}$
6. $\frac{1}{6}$
7. $\frac{128}{15}$

15.4

1. $(4\sqrt{2}\pi)/3$
2. $.685$
3. $(1 - \sqrt{3}/2)(\frac{1}{3})$
4. 0
5. $(810/4) \pi$
6. 243π
7. $5\pi/8$