

**MA 261–REVIEW (LESSONS 27-37)**  
**ANSWERS TO EVEN NUMBERED PROBLEMS**

**P. 1035**

28.  $\pi/14$

**P. 1120**

2.  $\frac{1}{12}(5\sqrt{5} - 1)$

6.  $\frac{5}{6} - \frac{1}{2} \cos 1$

18.  $\text{curl } \mathbf{F} = (-2z \sin y \mathbf{i} + x^2 \mathbf{j} + 2 \sin y \mathbf{k}), \quad \text{div } \mathbf{F} = 2xz + 2x \cos y + 2 \cos y$

28.  $32\pi\sqrt{3}$

30.  $\frac{\pi}{2}$