

### Problem Set 13 — Even Answers

2. 3400

4. 18, 20, 22, 24

6. 2250 kg

8.  $169 \text{ in}^2$

10.  $L = \frac{8}{3}\pi \text{ ft} \approx 8.378 \text{ ft}$

$$A = \frac{16}{3}\pi \text{ ft}^2 \approx 16.755 \text{ ft}^2$$

12.  $(64 - 16\pi) \text{ m}^2 \approx 13.735 \text{ m}^2$

14.  $x = 10, \quad y = 40$

16.  $y = 9$

18.  $y = \frac{7}{3}s$

20.  $y = 0$

22.  $\frac{z^{17}}{2x^{11}}$

24.  $\frac{5xy}{p} - 5xy$

26.  $\frac{2}{9}$

28.  $-6$

30.  $81x^{19}$