

Problem Set 44 — Even Answers

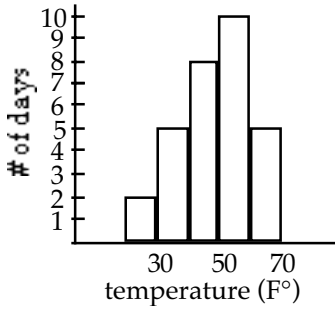
2. 525 g

4. 500 g

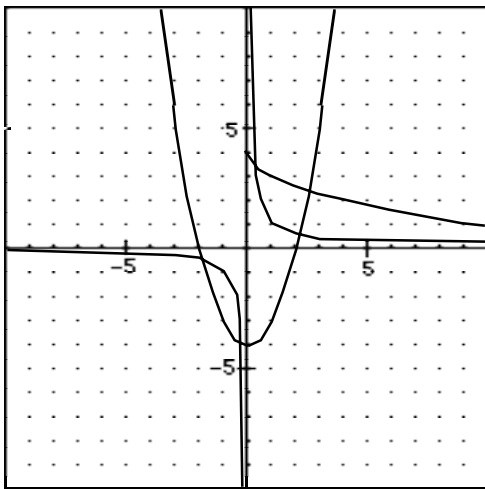
6.

2	7	9								
3	1	2	6	6	7					
4	2	2	2	4	4	5	7	8		
5	0	0	2	2	3	4	4	4	7	8
6	0	2	3	3	4					

 5 | 2 means 52 degrees



8. $x = 10$



10.

12. $\sin 61.9^\circ \approx 0.882$
 $\cos 61.9^\circ \approx 0.471$
 $\tan 61.9^\circ \approx 1.873$

14. $\sin B = \frac{7}{\sqrt{85}}$
 $\cos B = \frac{6}{\sqrt{85}}$
 $\tan B = \frac{7}{6}$

16. $x = -\frac{12}{7}, \frac{16}{7}$

18. $x = -5, 2$

20. $p = -3, -\frac{5}{2}, 0$

22a. $2\sqrt[3]{5}$

b. $3\sqrt[5]{4}$

24a. $2^{\frac{1}{3}}$

b. $6^{\frac{2}{5}}$

26. $m^{\frac{17}{6}}y^{\frac{5}{6}}$

28. $\frac{ax+1}{x^2}$

30. -7