

## Problem Set 91 — Even Answers

2. 75.758%,      660 g

4a.  $-\frac{1}{4}, 0, \frac{1}{6}, \frac{2}{7}, \frac{3}{8}$

b. 5, 8, 11, 14, 17

c. 5, 8, 11, 14, 17

6.  $a_{12} = -7.250 \times 10^{-6}$

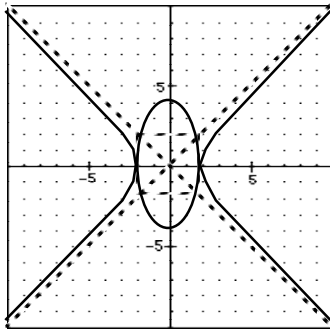
8a.  $\log_4 x + \log_4 y$

b.  $\log_8 m - \log_8 n$

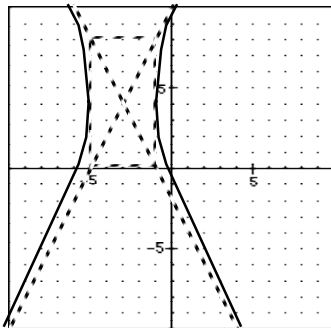
c.  $6 \log_5 k$

10.  $x = 12$

12.  $T_D = 3$        $B = 8$

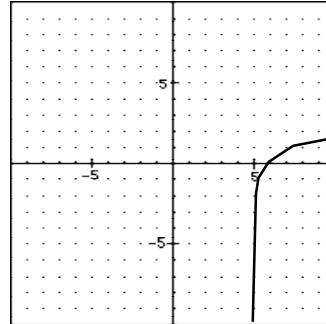


14.  $(-2, 0), (2, 0)$



16.  $y = 2x + 10, \quad y = -2x - 2$

18.  $(f \circ g)(x) = \ln(x - 5)$   
 $\{x \in \mathcal{R} \mid x > 5\}$



20. (114, 74), (126, 54), (132, 68)  
 (145, 33), (145, 53), (156, 35)  
 (175, 14)

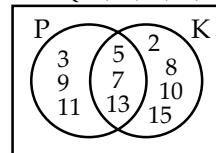
$$N = -0.966 R + 184.257$$

22.  $0i + 0j = 0 \angle 0^\circ$

24.  $R_1 = \frac{ax}{cmx - a}$

26.  $P \cap K = \{5, 7, 13\}$

$$P \cup K = \{2, 3, 5, 7, 8, 9, 10, 11, 13, 15\}$$



28.  $y^{\frac{7}{2}a+4} b^{-2a+1}$

30. -3