

Sample Math Lesson, page 1

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MATH

Section 4.1

7. $b_{12} = -3$

Answer $\rightarrow -3$

9. $b_{13} = \frac{1}{2}$

Answer $\rightarrow \frac{1}{2}$

14. a. $\begin{bmatrix} 68 & 56 & 28 & 31 \\ 59 & 50 & 24 & 18 \\ 49 & 34 & 15 & 12 \end{bmatrix}$

Answer $\rightarrow \begin{bmatrix} 68 & 56 & 28 & 31 \\ 59 & 50 & 24 & 18 \\ 49 & 34 & 15 & 12 \end{bmatrix}$

14. b. $h_{23} = 24$

Answer $\rightarrow h_{23} = 24$;
 h_{23} represents the number of Suburban libraries offering Parenting Skills programs

20. $\begin{bmatrix} 4 & 6 & 5 \\ 2 & -3 & -7 \\ 1 & 6 & 9 \end{bmatrix}, a_{23}$

Answer $\rightarrow 3 \times 3$ matrix; $a_{23} = -7$

24. $\begin{bmatrix} -5 \\ 4 \\ 3 \end{bmatrix}, a_{31}$

Answer $\rightarrow \cancel{1 \times 3} 3 \times 1$ matrix; $a_{31} = 3$