

Answer Key

Practice C

1. $\begin{bmatrix} 1 & -3 & 4 \\ -3 & 0 & -4 \end{bmatrix}$ 2. $\begin{bmatrix} 0 & 4 \\ -4 & 14 \end{bmatrix}$ 3. $\begin{bmatrix} -16 \\ 14 \end{bmatrix}$

4. $\begin{bmatrix} -18 & 18 \\ 9 & -15 \end{bmatrix}$ 5. $\begin{bmatrix} \frac{26}{3} \\ -\frac{43}{3} \end{bmatrix}$

6. Not possible. The matrices cannot be added because they do not have the same dimensions.

7. $\begin{bmatrix} \frac{1}{2} & \frac{-71}{12} \\ -\frac{1}{6} & \frac{-143}{16} \end{bmatrix}$ 8. $\begin{bmatrix} -\frac{4}{5} & \frac{-13}{6} \\ -\frac{33}{70} & \frac{13}{70} \end{bmatrix}$

9. $\begin{bmatrix} 2 & \frac{1}{6} \\ \frac{11}{6} & \frac{7}{3} \\ 0 & \frac{4}{3} \end{bmatrix}$ 10. $\begin{bmatrix} -8 & -5 \\ 3 & -4 \end{bmatrix}$

11. $\begin{bmatrix} 0 & 1 & \frac{-13}{2} \\ 11 & 1 & 2 \end{bmatrix}$ 12. $\begin{bmatrix} 12 & 12 & -12 \\ 12 & 6 & \frac{60}{7} \end{bmatrix}$

13. $\begin{bmatrix} -\frac{3}{4} & 1 \\ -\frac{5}{4} & -2 \\ 1 & -\frac{5}{2} \end{bmatrix}$

	3-point	field goals	rebounds
Patrick	2	10	3
Mark	1	6	3
14. Joe	3	5	1
Craig	0	4	6
Daryl	0	4	5
Mike	0	3	5

	3-point	field goals	rebounds
Patrick	30	150	45
Mark	15	90	45
15. Joe	45	75	15
Craig	0	60	90
Daryl	0	60	75
Mike	0	45	75

16. $\begin{bmatrix} 13 & 32 & 11 \\ 26 & 43 & 25 \end{bmatrix}$; New York