Task card 1 Matrices

Add: $\begin{bmatrix} 8 & 6 \\ 1 & 3 \end{bmatrix} + \begin{bmatrix} -6 & -8 \\ -7 & -4 \end{bmatrix}$

Task card 2 Matrices

Find the determinant of $\begin{bmatrix} -6 & -1 \\ 2 & 0 \end{bmatrix}$.

Task card 3 Matrices

Add: $\begin{bmatrix} -4 & 4 \\ 2 & 4 \end{bmatrix} + \begin{bmatrix} -6 & 1 \\ -8 & 3 \end{bmatrix}$

Task card 4 Matrices

Find the determinant of $\begin{bmatrix} -7 & -4 \\ 7 & 0 \end{bmatrix}$.

Task card 5 Matrices

Add: $\begin{bmatrix} -2 & -7 \\ 5 & 0 \end{bmatrix} + \begin{bmatrix} 6 & 8 \\ 2 & -8 \end{bmatrix}$

Task card 6 Matrices

Find the determinant of $\begin{bmatrix} 0 & -1 \\ -4 & -8 \end{bmatrix}$.

Task card 7 Matrices

Add: $\begin{bmatrix} -1 & 1 \\ 0 & 7 \end{bmatrix} + \begin{bmatrix} 7 & -7 \\ 5 & -8 \end{bmatrix}$

Task card 8 Matrices

Find the determinant of $\begin{bmatrix} 9 & 3 \\ 8 & -3 \end{bmatrix}$.

Task card 9 Matrices

Add: $\begin{bmatrix} 1 & 6 \\ -7 & 0 \end{bmatrix} + \begin{bmatrix} 8 & -8 \\ 1 & -4 \end{bmatrix}$

Task card 10 Matrices

Find the determinant of $\begin{bmatrix} -5 & -4 \\ -6 & -7 \end{bmatrix}$.

Task card 11 Matrices

Add: $\begin{bmatrix} -4 & 7 \\ 8 & -6 \end{bmatrix} + \begin{bmatrix} -1 & 8 \\ 4 & 0 \end{bmatrix}$

Task card 12 Matrices

Find the determinant of $\begin{bmatrix} 6 & 8 \\ -1 & -5 \end{bmatrix}$.

Task card 13 Matrices

Add: $\begin{bmatrix} 0 & -9 \\ -3 & 9 \end{bmatrix} + \begin{bmatrix} -3 & -9 \\ -9 & -7 \end{bmatrix}$

Task card 14 Matrices

Find the determinant of $\begin{bmatrix} 4 & 9 \\ -1 & -9 \end{bmatrix}$.

Task card 15 Matrices

Add: $\begin{bmatrix} -3 & 0 \\ -5 & -7 \end{bmatrix} + \begin{bmatrix} 7 & 1 \\ 8 & 3 \end{bmatrix}$

Task card 16 Matrices

Find the determinant of $\begin{bmatrix} 9 & 9 \\ -6 & 1 \end{bmatrix}$.

Task card 17 Matrices

Add: $\begin{bmatrix} -2 & 2 \\ -2 & 1 \end{bmatrix} + \begin{bmatrix} 5 & 9 \\ -9 & 4 \end{bmatrix}$

Task card 18 Matrices

Find the determinant of $\begin{bmatrix} 6 & -4 \\ -4 & -1 \end{bmatrix}$.

Task card 19 Matrices

Add: $\begin{bmatrix} 5 & -6 \\ -8 & -8 \end{bmatrix}$ + $\begin{bmatrix} 5 & 7 \\ -7 & -6 \end{bmatrix}$

Task card 20 Matrices

Find the determinant of $\begin{bmatrix} 2 & 2 \\ 8 & 6 \end{bmatrix}$.

Task card 21 Matrices

Add: $\begin{bmatrix} 4 & -3 \\ 0 & -7 \end{bmatrix}$ + $\begin{bmatrix} -7 & -3 \\ -3 & 1 \end{bmatrix}$

Task card 22 Matrices

Find the determinant of $\begin{bmatrix} 3 & -6 \\ -2 & 7 \end{bmatrix}$.

Task card 23 Matrices

Add: $\begin{bmatrix} 8 & -4 \\ -5 & 3 \end{bmatrix}$ + $\begin{bmatrix} 5 & 6 \\ 2 & 2 \end{bmatrix}$

Task card 24 Matrices

Find the determinant of $\begin{bmatrix} 5 & -7 \\ -3 & -2 \end{bmatrix}$.

Matrices Task Cards

Recording sheet · Grade 12 · Solve each problem. When the answer is a matrix, write one number in each box.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Matrices Task Cards: Answer Key

Grade 12 · Hard

The answers online

1. $\begin{bmatrix} 2 & -2 \\ -6 & -1 \end{bmatrix}$

2. 2

3. $\begin{bmatrix} -10 & 5 \\ -6 & 7 \end{bmatrix}$

4. 28

5. $\begin{bmatrix} 4 & 1 \\ 7 & -8 \end{bmatrix}$

6. -4

7. $\begin{bmatrix} 6 & -6 \\ 5 & -1 \end{bmatrix}$

8. -51

9. $\begin{bmatrix} 9 & -2 \\ -6 & -4 \end{bmatrix}$

10. 11

11. $\begin{bmatrix} -5 & 15 \\ 12 & -6 \end{bmatrix}$

12. -22

13. $\begin{bmatrix} -3 & -18 \\ -12 & 2 \end{bmatrix}$

14. -27

15. $\begin{bmatrix} 4 & 1 \\ 3 & -4 \end{bmatrix}$

16. 63

17. $\begin{bmatrix} 3 & 11 \\ -11 & 5 \end{bmatrix}$

18. -22

19. $\begin{bmatrix} 10 & 1 \\ -15 & -14 \end{bmatrix}$

20. -4

21. $\begin{bmatrix} -3 & -6 \\ -3 & -6 \end{bmatrix}$

22. 9

23. $\begin{bmatrix} 13 & 2 \\ -2 & 6 \end{bmatrix}$

24. -31