Task card 1 Matrices

Add: $\begin{bmatrix} 2 & -1 \\ -1 & 0 \end{bmatrix} + \begin{bmatrix} 3 & 0 \\ 0 & -4 \end{bmatrix}$

Task card 2 Matrices

Find the determinant of $\begin{bmatrix} 0 & 1 \\ 2 & -3 \end{bmatrix}$.

Task card 3 Matrices

Add: $\begin{bmatrix} 0 & 0 \\ -1 & -4 \end{bmatrix} + \begin{bmatrix} -3 & -4 \\ 2 & 4 \end{bmatrix}$

Task card 4 Matrices

Find the determinant of $\begin{bmatrix} 2 & -3 \\ -4 & -1 \end{bmatrix}$.

Task card 5 Matrices

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

Task card 6 Matrices

Find the determinant of $\begin{bmatrix} 2 & 0 \\ 4 & 0 \end{bmatrix}$.

Task card 7 Matrices

Add: $\begin{bmatrix} -3 & -3 \\ -4 & -3 \end{bmatrix}$ + $\begin{bmatrix} -3 & 2 \\ -1 & 0 \end{bmatrix}$

Task card 8 Matrices

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

Task card 9 Matrices

Add: $\begin{bmatrix} 5 & 0 \\ -5 & -1 \end{bmatrix}$ + $\begin{bmatrix} 2 & -4 \\ 5 & -1 \end{bmatrix}$

Task card 10 Matrices

Find the determinant of $\begin{bmatrix} 3 & -2 \\ -4 & -3 \end{bmatrix}$.

Task card 11 Matrices

Add: $\begin{bmatrix} 2 & -5 \\ -5 & 0 \end{bmatrix}$ + $\begin{bmatrix} 5 & 3 \\ 4 & 2 \end{bmatrix}$

Task card 12 Matrices

Find the determinant of $\begin{bmatrix} 1 & -3 \\ -3 & -3 \end{bmatrix}$.

Task card 13 Matrices

Add: $\begin{bmatrix} 4 & -3 \\ -1 & -5 \end{bmatrix} + \begin{bmatrix} -1 & 4 \\ -3 & 3 \end{bmatrix}$

Task card 14 Matrices

Find the determinant of $\begin{bmatrix} -5 & 3 \\ 4 & 1 \end{bmatrix}$.

Task card 15 Matrices

Add: $\begin{bmatrix} -2 & -5 \\ -1 & 3 \end{bmatrix} + \begin{bmatrix} -2 & 1 \\ 1 & -4 \end{bmatrix}$

Task card 16 Matrices

Find the determinant of $\begin{bmatrix} -5 & 2 \\ 3 & 4 \end{bmatrix}$.

Task card 17 Matrices

Add: $\begin{bmatrix} 2 & 5 \\ 6 & -4 \end{bmatrix} + \begin{bmatrix} -1 & -1 \\ 1 & 5 \end{bmatrix}$

Task card 18 Matrices

Find the determinant of $\begin{bmatrix} -4 & 0 \\ 2 & 4 \end{bmatrix}$.

Task card 19 Matrices

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

Task card 20 Matrices

Find the determinant of $\begin{bmatrix} 4 & 5 \\ 1 & -5 \end{bmatrix}$.

Task card 21 Matrices

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

Task card 22 Matrices

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

Task card 23 Matrices

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

Task card 24 Matrices

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

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 · Easy

The answers online

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

2. -2

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

4. -14

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

6. 0

7. $\begin{bmatrix} -6 & -1 \\ -5 & -3 \end{bmatrix}$

8. 0

9. $\begin{bmatrix} 7 & -4 \\ 0 & -2 \end{bmatrix}$

10. -17

11. $\begin{bmatrix} 7 & -2 \\ -1 & 2 \end{bmatrix}$

12. -12

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

14. -17

15. $\begin{bmatrix} -4 & -4 \\ 0 & -1 \end{bmatrix}$

16. -26

17. $\begin{bmatrix} 1 & 4 \\ 7 & 1 \end{bmatrix}$

18. -16

19. $\begin{bmatrix} -2 & 3 \\ -3 & -4 \end{bmatrix}$

20. -25

21. $\begin{bmatrix} -7 & 2 \\ -1 & -7 \end{bmatrix}$

22. 48

23. $\begin{bmatrix} 7 & 0 \\ 0 & 6 \end{bmatrix}$

24. 19