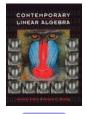
Chapter 4 , Section 2 of *Contemporary Linear Algebra* by Anton and Busby



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1. If

Next Question

2. Find the determinant of

$$\begin{pmatrix} 1 & -1 & 10 & 5 \\ 0 & 0 & -5 & 8 \\ 0 & 4 & -11 & 28 \\ 0 & 0 & 0 & 3 \end{pmatrix}$$



Next Question

```
3. If P and Q are 3 \times 3 matrices such that det(P) = 5 and det(Q) = 4 then det(2PQ^{-1}) is

A 0

B 5/2

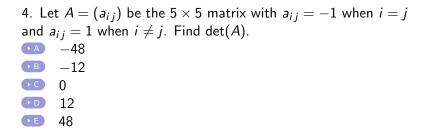
C 10

D 20

E 160
```

Next Question

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Next Question



5. Matrix *M* is obtained from the  $6 \times 6$  matrix *N* by the following sequence of row operations:

- interchange rows 1 and 4
- ▶ add −4 times row 1 to row 3
- multiply row 2 by -1/5
- add 3 times row 2 to row 5
- Then det $(M) = k \det(N)$  where k is (M) = -12/5 (M) = -1/5 (M) = -1/5(M) =

No more questions

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