

Homework 17, Section 3.1: 23, 24

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Homework

23.

R_1 is scaled by K . The determinant is $-5k$. Scaling a row by K multiplies the determinant by K .

24.

Swap R_1 and R_2 . Original determinant $= 2a - 6b + 3c$. The new determinant is $-2a + 6b - 3c$. The moral of this story is that swapping rows changes the determinant.