QUESTION Which of the following sets of vectors form a basis for \mathbb{R}^3 ?

- (a) (2,3,4), (1,-4,7), (3,9,-2);
- **(b)** (3,2,4), (2,6,-3), (12,-5,0);
- (c) (1, 23, 11), (2, 5, -4), (0, 41, 26).

ANSWER

- (a) spans
- (b) spans
- (c) no the vectors are of the form a,b,2a-b.