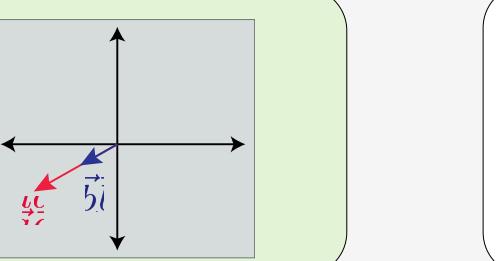
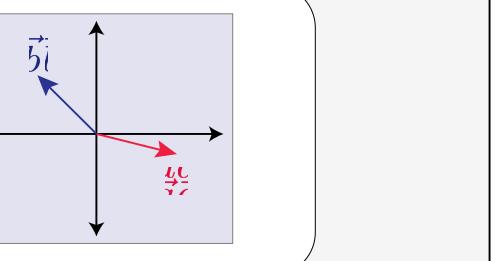
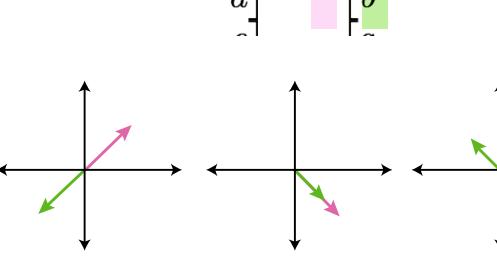


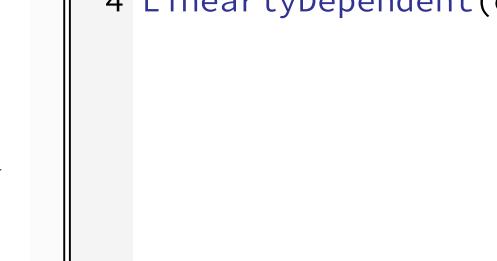
Select diagrams that correspond to the following expression

LinearlyDependent( $\frac{1}{2}\vec{a}, \frac{1}{2}\vec{b}$ )

1  

2  

3  

4  

 Correct!

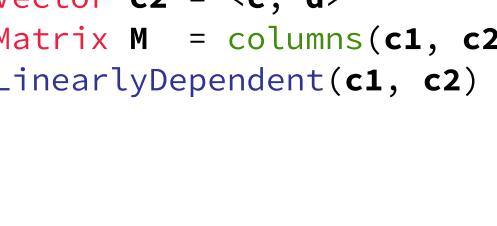
 Continue

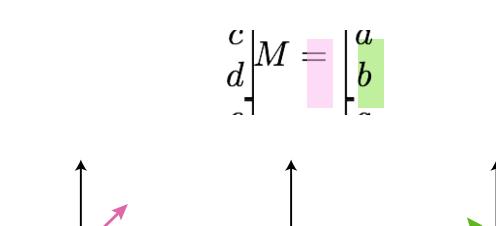
(a)

Cartesian 

Linear Algebra 

1 Vector  $c_1 = \langle a, b \rangle$   
 2 Vector  $c_2 = \langle c, d \rangle$   
 3 Matrix  $M = \begin{bmatrix} a & c \\ b & d \end{bmatrix}$   
 4 LinearlyDependent( $c_1, c_2$ )



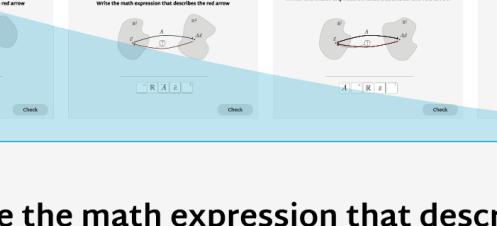


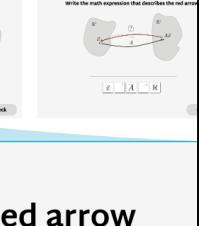
 Check  share 

Objective

Write expressions that generate the diagrams above

Cartesian 

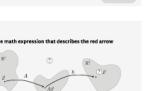


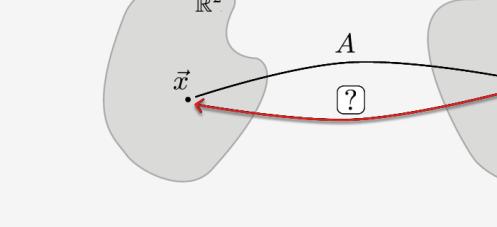


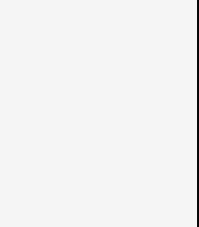
 Check  share 

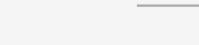
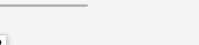
Success!

Write expressions that generate the diagrams above







 Check  share 

$\mathbb{R}^2$   $\mathbb{R}^2$

$A$   $\vec{x}$   $A\vec{x}$

$A^{-1}$   $\mathbb{R}$   $\vec{x}$   $2$

(b)

(c)