

Vektors orthogonal

$$\vec{u} \begin{array}{l} / 1 \\ / 3 \end{array}$$

$$\vec{v} \begin{array}{l} / 6 \\ / x+1 \end{array}$$

orthogonal: $\vec{u} \cdot \vec{v} = 1 \cdot 6 + 3(x+1) = 0$
jika $x = 3$

$$\vec{u} \begin{array}{l} / 2x-1 \\ / 2 \end{array}$$

$$\vec{v} \begin{array}{l} / 3x+2 \\ / x+1 \end{array}$$

jika $(2x-1)(3x+2) + 2(x+1) = 0$

jika $3x(2x+1) = 0 \Rightarrow x = 0$

atau

$$x = -\frac{1}{2}$$