

EVO 21

$$\vec{HG}; \vec{HF}; \vec{HE}; \vec{AM}; \vec{GH}; \vec{FH}; \vec{EH}; \vec{MA}; \vec{BM}; \vec{MB}$$

EVO 22

$$\vec{a} = (-1; 1) \quad \vec{b} = (1; 7)$$

$$\vec{c} = (2; -6) \quad \vec{d} = (1; 11)$$

$$\vec{a} = x \cdot \vec{c} + y \cdot \vec{d} \Leftrightarrow (-1; 1) = x \cdot (2; -6) + y \cdot (1; 11)$$

$$\Leftrightarrow \begin{cases} -1 = 2x + y \\ 1 = -6x + 11y \end{cases} \Rightarrow \begin{cases} -2 = 14y \Rightarrow y = -1/7 \\ 2x = \frac{1}{7} - 1 \Rightarrow x = -3/7 \end{cases}$$

$$\vec{b} = x \cdot \vec{c} + y \cdot \vec{d} \Leftrightarrow \begin{cases} 1 = 2x + y \Rightarrow y = 2/7 \\ 7 = -6x + 11y \Rightarrow x = 5/14 \end{cases}$$

EVO 23

$$\begin{aligned} a) \vec{AB} &= (1; 0) & \vec{AD} &= (0; 1) & \vec{AM} &= (1/2; 0) \\ \vec{AQ} &= (0; 1/2) & \vec{AN} &= (1; 1/2) & \vec{AP} &= (1/2; 1) & \vec{CM} &= (-1/2; -1) \\ \vec{AO} &= (1/2; 1/2) & \vec{OB} &= (1/2; -1/2) & \vec{OP} &= (1/2; 1/2) \end{aligned}$$

MR geovect S1

EXO 23 (suite)

$$b) \quad \vec{AB} = (0; 2) \quad \vec{AD} = (1; 0) \quad \vec{AM} = (0; 1)$$

$$\vec{AQ} = \left(\frac{1}{2}; 0\right) \quad \vec{AN} = \left(\frac{1}{2}; 2\right) \quad \vec{AP} = (1; 1)$$

$$\vec{AO} = \left(\frac{1}{2}; 1\right) \quad \vec{OB} = \left(-\frac{1}{2}; 1\right) \quad \vec{QP} = \left(\frac{1}{2}; 1\right)$$

$$\vec{CM} = (-1; -1)$$