1. (Elineuc5.tex)
$$\overrightarrow{w} = \frac{1}{\sqrt{6}}(2\overrightarrow{e_1} + \overrightarrow{e_2} - \overrightarrow{e_3})$$
2. (Elineuc13.tex) oui
3. (Eexo292.tex)
$$(\vec{a}/\vec{c})\vec{b} - (\vec{b}/\vec{c})\vec{a}$$
4. (Elineuc14.tex)
$$\big(\frac{1}{3}(2a - b + c - 1), \frac{1}{3}(-a + 2b + c - 1), \frac{1}{3}(a + b + 2c - 1)\big)$$
5. (Elineuc9.tex)
$$\begin{cases} \det(\overrightarrow{A_1M}, \overrightarrow{u}_1, \overrightarrow{u}_1 \wedge \overrightarrow{u}_2) = 0 \\ \det(\overrightarrow{A_2M}, \overrightarrow{u}_2, \overrightarrow{u}_1 \wedge \overrightarrow{u}_2) = 0 \\ \det(\overrightarrow{A_1M}, \overrightarrow{u}_1, \overrightarrow{u}_2) = 0 \end{cases}$$
6. (Elineuc10.tex)
$$\begin{cases} \det(\overrightarrow{A_1M}, \overrightarrow{u}_1, \overrightarrow{u}_1 \wedge \overrightarrow{u}_2) = 0 \\ \det(\overrightarrow{A_2M}, \overrightarrow{u}_2, \overrightarrow{u}_1 \wedge \overrightarrow{u}_2) = 0 \\ \det(\overrightarrow{A_2M}, \overrightarrow{u}_1, \overrightarrow{u}_2) = 0 \end{cases}$$
7. (Elineuc20.tex)
$$M - \frac{(\overrightarrow{AM}/\overrightarrow{u})}{\|\overrightarrow{u}\|^2}\,\overrightarrow{u}$$
8. (Elineuc6.tex)
$$\frac{\|\overrightarrow{u} \wedge \overrightarrow{AM}\|}{\|\overrightarrow{u}\|}$$
9. (Elineuc18.tex)
$$\big(\frac{1}{3}(a - 2b + 2c - 2), \frac{1}{3}(-2a + b + 2c - 2), \frac{1}{3}(2a + 2b + c + 2)\big)$$
10. (Elineuc21.tex)
$$\left(\frac{3}{2} - \sqrt{3}\right)\overrightarrow{i} + \left(1 + \frac{3\sqrt{3}}{2}\right)\overrightarrow{j}$$
11. (Elineuc4.tex)
$$\overrightarrow{w} = \frac{1}{\sqrt{2}}(\overrightarrow{e_1} - \overrightarrow{e_3})$$
12. (Elineuc16.tex)
$$\big(b - 1, a + 1)\big)$$
13. (Elineuc17.tex)
$$\big(\frac{1}{3}(a - 2b - 2c - 2), \frac{1}{3}(-2a + b - 2c - 2), \frac{1}{3}(-2a - 2b + c - 2)\big)$$
14. (Elineuc8.tex)
$$\begin{cases} \det(\overrightarrow{A_1M}, \overrightarrow{u}_1, \overrightarrow{u}_1 \wedge \overrightarrow{u}_2) = 0 \\ \det(\overrightarrow{A_2M}, \overrightarrow{u}_2, \overrightarrow{u}_1 \wedge \overrightarrow{u}_2) = 0 \end{cases}$$
15. (Elineuc7.tex)
$$\frac{|\det(\overrightarrow{AA'}, \overrightarrow{u}, \overrightarrow{u'})|}{\|\overrightarrow{u} \wedge \overrightarrow{u'}\|}$$
16. (Elineuc15.tex)
$$\big(-b - 1, -a - 1)\big)$$
17. (Elineuc11.tex) oui
18. (Elineuc12.tex) non
19. (Elineuc2.tex)
$$\det(\overrightarrow{u}, \overrightarrow{u} \wedge \overrightarrow{u}', \overrightarrow{AM}) = 0$$
20. (Elineuc1.tex)
$$\begin{pmatrix} -3 \\ 0 \\ 3 \end{pmatrix}$$
21. (Elineuc19.tex)
$$A + \frac{(\overrightarrow{AM}/\overrightarrow{u})}{\|\overrightarrow{u}\|^2}\,\overrightarrow{u}$$
22. (Eexo187.tex) non
23. (Elineuc3.tex)
$$\overrightarrow{w} = \frac{1}{\sqrt{6}}(\overrightarrow{e_1} - 2\overrightarrow{e_2} + \overrightarrow{e_3})$$