Given

$$\det \begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix} = -3,$$

find the following determinants.

$$\det \begin{bmatrix} g & h & i \\ a & b & c \\ d & e & f \end{bmatrix} = \boxed{}$$

$$\det \begin{bmatrix} a & b & c \\ -8d+a & -8e+b & -8f+c \\ g & h & i \end{bmatrix} = \boxed{}$$

$$\det \begin{bmatrix} -8d+a & -8e+b & -8f+c \\ d & e & f \\ g & h & i \end{bmatrix} = \boxed{}$$

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$$\det \begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix} = -3,$$

find the following determinants.

$$\det \begin{bmatrix} g & h & i \\ a & b & c \\ d & e & f \end{bmatrix} = \boxed{-3}$$

$$\det \begin{bmatrix} a & b & c \\ -8d+a & -8e+b & -8f+c \\ g & h & i \end{bmatrix} = \boxed{24}$$

$$\det \begin{bmatrix} -8d+a & -8e+b & -8f+c \\ d & e & f \\ g & h & i \end{bmatrix} = \boxed{-3}$$