

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

### Evaluate the Determinants

Fractions: S2

Evaluate the following determinants:

$$\begin{vmatrix} \frac{-8}{5} & 24 \\ \frac{-11}{6} & 35 \end{vmatrix} = \boxed{\phantom{000}}$$

$$\begin{vmatrix} \frac{7}{8} & \frac{2}{3} \\ -18 & -40 \end{vmatrix} = \boxed{\phantom{000}}$$

$$\begin{vmatrix} -36 & 42 \\ -7 & \frac{7}{4} \end{vmatrix} = \boxed{\phantom{000}}$$

$$\begin{vmatrix} \frac{12}{5} & \frac{1}{17} \\ \frac{34}{5} & \frac{22}{3} \end{vmatrix} = \boxed{\phantom{000}}$$

$$\begin{vmatrix} \frac{-2}{5} & -48 \\ \frac{7}{6} & \frac{10}{3} \end{vmatrix} = \boxed{\phantom{000}}$$

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Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

Answer key

Evaluate the Determinants

Fractions: S2

$$\begin{vmatrix} \frac{-8}{5} & 24 \\ \frac{-11}{6} & 35 \end{vmatrix} = -12$$

$$\begin{vmatrix} \frac{7}{8} & \frac{2}{3} \\ -18 & -40 \end{vmatrix} = -23$$

$$\begin{vmatrix} -36 & 42 \\ \frac{-7}{6} & \frac{7}{4} \end{vmatrix} = -14$$

$$\begin{vmatrix} \frac{12}{5} & \frac{1}{17} \\ \frac{34}{5} & \frac{22}{3} \end{vmatrix} = \frac{86}{5}$$

$$\begin{vmatrix} \frac{-2}{5} & -48 \\ \frac{7}{6} & \frac{10}{3} \end{vmatrix} = \frac{164}{3}$$

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