Exercise 4A

$\frac{14 \div 7}{49 \div 7} = \frac{2}{7}$

Hence, $\frac{-14}{-49}$ is equal to $\frac{2}{7}$ in the standard form.

(v) $\frac{91}{-78}$

The denominator is negative.

Multiplying its denominator and denominator by -1:

$\frac{91 \times (-1)}{-78 \times (-1)} = \frac{-91}{78}$

$$
\begin{array}{r|l}
78 & 91 \,(1 \\
-78 & \\
\hline
13 & 78 \,(6 \\
 & -78 \\
\hline
 & \times
\end{array}
$$

H.C.F. of 91 and 78 is 13.

Dividing both the numerator and the denominator by 13:

$\frac{-91 \div 13}{78 \div 13} = \frac{-7}{6}$

Hence, $\frac{91}{-78}$ is equal to $\frac{-7}{6}$ in the standard form.

(vi) $\frac{-68}{119}$

$$
\begin{array}{r|l}
68 & 119 \,(1 \\
-68 & \\
\hline
51 & 68 \,(1 \\
 & -51 \\
\hline
17 & 51 \,(3 \\
 & -51 \\
\hline
 & \times
\end{array}
$$

H.C.F. of 68 and 119 is 17.

Dividing both the numerator and the denominator by 17:

$\frac{-68 \div 17}{119 \div 17} = \frac{-4}{7}$

Hence, $\frac{-68}{119}$ is equal to $\frac{-4}{7}$ in the standard form.

(vii) $\frac{-87}{116}$

$$
\begin{array}{r}
87\overline{)116}(1 \\
-87 \\
\hline
29\overline{)87}(3 \\
-87 \\
\hline
\times
\end{array}
$$

H.C.F. of 87 and 116 is 29.

Dividing both the numerator and the denominator by 29:

$\frac{-87 \div 29}{116 \div 29} = \frac{-3}{4}$

Hence, $\frac{-87}{116}$ is equal to $\frac{-3}{4}$ in the standard form.

1

(viii) $\frac{299}{-161}$

The denominator is negative.

Multiplying both the numerator and denominator by -1:

$\frac{299 \times (-1)}{-161 \times (-1)} = \frac{-299}{161}$

********** END **********