Solve the following for $x$; both algebraically and with a calculator.

\[
\frac{2(x + 5)}{3x - 10} = \frac{3}{2}
\]

\[
(3x-10) \cdot \frac{2(x+5)}{3x-10} = \frac{3}{2} (3x-10)
\]

\[
2x+10 = \frac{9}{2} x - 15
\]

\[
\frac{4}{2} x - \frac{9}{2} x = -15 - 10
\]

\[
-\frac{5}{2} x = -25
\]

\[
-\frac{5}{2} x = -25 \\
x = +25 (\frac{-2}{5})
\]

\[
x = 10
\]

\checkmark