Is \((3, 2)\) a solution of both

\[
3y + 2x = 12 \\
3(2) + 2(3) = 12 \\
6 + 6 = 12 \\
12 = 12
\]

\[
x - 4y = -5 \\
3 - 4(2) = -5 \\
3 - 8 = -5 \\
-5 = -5
\]

Yes

Yes \((3, 2)\) is a solution of both equations.

Graph:
- \(x\)-intercept: \((0, 4)\)
- Slope: \(-\frac{2}{3}\)