



Sep 24-12:55 PM

$$\begin{aligned}
 &3+i + 4-2i \\
 &= 7-i \\
 &2+3i - 4+i \\
 &= -2+4i \\
 &\underline{-3 \quad -1 \quad -2} \\
 &= -4-2i \\
 &-4+2i - 3-5i \\
 &= -7-3i \\
 &\underline{-5+2i+1-4i} \\
 &\overset{t}{.2}5 + \overset{t}{.3}i + \overset{h}{7} - \overset{h}{.04}i \\
 &\begin{array}{r} .25 \\ +.7 \\ \hline .95 \end{array} \quad \begin{array}{r} .30 \\ -.04 \\ \hline .26 \end{array}
 \end{aligned}$$

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$$\begin{aligned}
 &(x+2)(2x+3) \\
 &2x^2 + 3x + 4x + 6 \\
 &2x^2 + 7x + 6 \\
 &\hline
 &(2+i)(3+2i) \\
 &6 + 4i + 3i + 2i^2 \\
 &6 + 7i + 2i^2 \quad i^2 = -1 \\
 &6 + 7i - 2 \\
 &\underline{4 + 7i}
 \end{aligned}$$

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$$\begin{aligned}
 &(3+2i)(1-4i) \\
 &3 - 12i + 2i - 8i^2 \\
 &3 - 10i + 8 \\
 &11 - 10i
 \end{aligned}$$

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$$\begin{aligned}
 &(-2+5i)(3-4i) \\
 &\hline
 &(-.3+.25i)(.4+.02i) \\
 &-.12 + .006i + .1i + .005i^2 \\
 &-.12 + .094i + -.005 \\
 &\underline{-.125 + .094i}
 \end{aligned}$$

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$$\begin{aligned}
 &(-2+5i)(3-4i) \\
 &-6 + 8i + 15i - 20i^2 \\
 &-6 + 23i + 20 \\
 &\underline{14 + 23i}
 \end{aligned}$$

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