P. 118 Sec. 2.4 #15, 17, 19, 22, 24, 32

Fernando Romero

(15) $(3+2i)+(5-3i)$

$\boxed{8-i}$

(17) $(-5+3i)-(6-i)$

$-5+3i-6+i$

$\boxed{4i-11}$

(19) $(-4+4i)-(-6+9i)$

$-4+4i+6-9i$

$\boxed{2-5i}$

(22) $(6-2i)(5)$

$\boxed{30-10i}$

(24) $(2+3i)(4-i)$

$8-2i+12i-3i^2$

$8+10i-3i^2$

$8+10i-3(-1)$

$8+10i+3$

$\boxed{11+10i}$

(32) $\dfrac{2-3i}{4+3i}$

$\dfrac{2-3i}{4+3i}\cdot\dfrac{4-3i}{4-3i}$

$\dfrac{8-6i-12i+9i^2}{4^2-(3i)^2}$

$\dfrac{8-18i+9(-1)}{4^2-3^2(i)^2}$

$\dfrac{8-18i-9}{16-9(-1)}$

$\boxed{\dfrac{-1-18i}{25}}$