(3) 
$$\frac{(5-3i)(2+i)}{(5+3i)(2+i)} = \frac{10+5i-6i-3i^2}{4+2i} = \frac{10+3-i}{4+2i} = \frac{13-i}{4+2i} \times \frac{4-2i}{4+2i}$$
 $\frac{(5-3i)(2+i)}{4+2i} = \frac{10+5i-6i-3i^2}{4+2i} = \frac{52-30i-2}{4-(2i)^2}$ 
 $\frac{(5-3i)(2+i)}{4-(2i)^2} = \frac{52-30i-2}{16-4i^2}$ 
 $\frac{(5-3i)(2+i)}{4-(2i)^2} = \frac{52-30i-2}{3} = \frac{3}{3} =$ 

