SEMPLIFICARE LE SEGUENTI ESPRESSIONI

ES. 11	$\left(\frac{1-\sqrt{2}\cdot i}{3}\right)^2+(\sqrt{3}-4\cdot\sqrt{6}\cdot i)^2+\left(\frac{1}{2}+\sqrt{2}\cdot i\right)^2$
ES. 12	$\frac{3\cdot\sqrt{12}\cdot i}{\sqrt{6}}+\frac{(2\cdot\sqrt{16}+\sqrt{10})\cdot i}{-\sqrt{2}\cdot i}+\frac{\sqrt{20}\cdot i+\sqrt{8}\cdot i}{2\cdot i}$
ES. 15	$\frac{\sqrt{18}-\sqrt{18}\cdot i+\sqrt{6}-\sqrt{6}\cdot i}{-\sqrt{3}\cdot i}+\frac{3\cdot\sqrt{6}\cdot i-3\cdot\sqrt{2}}{-3\cdot i}$
ES. 16	**a)** $\frac{21}{2-3\cdot\sqrt{5}\cdot i}$ **b)** $\frac{15}{\sqrt{3}+\sqrt{2}\cdot i}$ **c)** $\frac{20}{\sqrt{7}\cdot i-\sqrt{3}}$
ES. 17	**a)** $\frac{1+\sqrt{2}\cdot i}{1-\sqrt{2}\cdot i}$ **b)** $\frac{5+\sqrt{3}\cdot i}{\sqrt{5}-\sqrt{3}\cdot i}$ **c)** $\frac{2\cdot i+\sqrt{5}\cdot i}{2\cdot i-\sqrt{5}\cdot i}$
ES. 22	**a)** $\frac{2+\sqrt{3}\cdot i}{2-\sqrt{3}\cdot i}$ **b)** $\frac{5-\sqrt{5}\cdot i}{5+\sqrt{5}\cdot i}$ **c)** $\frac{2\cdot\sqrt{3}-\sqrt{2}\cdot i}{2\cdot\sqrt{3}+\sqrt{2}\cdot i}$
ES. 23	**a)** $\frac{2+3\cdot i}{3-i}-\frac{1+i}{3+i}$ **b)** $\frac{2+i}{3-i}+\frac{3+i}{2-i}$
ES. 24	**a)** $\frac{2+3\cdot i}{1+2\cdot i}+\frac{1+2\cdot i}{2+3\cdot i}$ **b)** $\frac{2+i}{2\cdot i-3}-\frac{2\cdot i+3}{2-i}$
ES. 25	$\frac{1+i^2}{1-i}+\frac{1+i}{1-i^2}+\frac{1+i^2}{1-i^2}$
ES. 238	**a)** $(a+b\cdot i)\cdot(c+d\cdot i)$ **b)** $(a+b\cdot i)\cdot(a-b\cdot i)$