

SEMPLIFICARE LE SEGUENTI ESPRESSIONI

ES. 11	$\left(\frac{1 - \sqrt{2+i}}{3}\right)^2 + (\sqrt{3} - 4\sqrt{6+i})^2 + \left(\frac{1}{2} + \sqrt{2+i}\right)^2$
ES. 12	$\frac{3\sqrt{12+i}}{\sqrt{6}} + \frac{(2\sqrt{16} + \sqrt{10})i}{-\sqrt{2+i}} + \frac{\sqrt{20+i} + \sqrt{8+i}}{2+i}$
ES. 15	$\frac{\sqrt{18} - \sqrt{18+i} + \sqrt{6} - \sqrt{6+i}}{-\sqrt{3+i}} + \frac{3\sqrt{6+i} - 3\sqrt{2}}{-3+i}$
ES. 16	$\begin{array}{lll} \text{a)} \frac{21}{2 - 3\sqrt{5+i}} & \text{b)} \frac{15}{\sqrt{3} + \sqrt{2+i}} & \text{c)} \frac{20}{\sqrt{7+i} - \sqrt{3}} \end{array}$
ES. 17	$\begin{array}{lll} \text{a)} \frac{1 + \sqrt{2+i}}{1 - \sqrt{2+i}} & \text{b)} \frac{5 + \sqrt{3+i}}{\sqrt{5} - \sqrt{3+i}} & \text{c)} \frac{2+i + \sqrt{5+i}}{2+i - \sqrt{5+i}} \end{array}$
ES. 22	$\begin{array}{lll} \text{a)} \frac{2 + \sqrt{3+i}}{2 - \sqrt{3+i}} & \text{b)} \frac{5 - \sqrt{5+i}}{5 + \sqrt{5+i}} & \text{c)} \frac{2\sqrt{3} - \sqrt{2+i}}{2\sqrt{3} + \sqrt{2+i}} \end{array}$
ES. 23	$\begin{array}{ll} \text{a)} \frac{2 + 3i}{3 - i} - \frac{1 + i}{3 + i} & \text{b)} \frac{2 + i}{3 - i} + \frac{3 + i}{2 - i} \end{array}$
ES. 24	$\begin{array}{ll} \text{a)} \frac{2 + 3i}{1 + 2i} + \frac{1 + 2i}{2 + 3i} & \text{b)} \frac{2 + i}{2i - 3} - \frac{2i + 3}{2 - i} \end{array}$
ES. 25	$\frac{\frac{1+i}{1-i}^2 + \frac{1+i}{1-i}^2 + \frac{1+i}{1-i}^2}{1-i}$
ES. 238	$\begin{array}{ll} \text{a)} (a + bi)(c + di) & \text{b)} (a + bi)(a - bi) \end{array}$