

11.	<p>Consider the functions $f: [0; +\infty) \rightarrow \mathbb{R}, f(x) = \sqrt{x} + 1, g: \mathbb{R} \rightarrow \mathbb{R}, g(x) = -2x^2 + 8x + 5.$ Determine the intersection of the ranges $E(f)$ and $E(g)$ of the functions f and $g.$ <i>Solution:</i></p> <p><i>Answer:</i> _____.</p>	L 0 1 2 3 4 5 6 7 8	L 0 1 2 3 4 5 6 7 8
12.	<p>Consider the arithmetic progression $(a_n)_{n \geq 1},$ where $a_1 = 102, r = -3.$ Determine the sum of the positive terms of the progression. <i>Solution:</i></p> <p><i>Answer:</i> _____.</p>	L 0 1 2 3 4 5 6 7 8	L 0 1 2 3 4 5 6 7 8

