

Algebra

AO41-Evaluate Quadratic Functions



Evaluate each function at a given x .

<p>1. $y = x^2 + 2x + 6$ at $x = 7$</p> <p>A) 20.1 C) 351 B) 69 D) 64</p>	<p>6. $y = -\frac{1}{3}x^2 - 4x$ at $x = 2.718$</p> <p>A) -13.26 C) -10.92 B) -10.05 D) -13.34</p>
<p>2. $y = x^2 + 4x + 12$ at $x = 16$</p> <p>A) 268.25 C) 332 B) 76.06 D) 80</p>	<p>7. $y = 5x^2 - 16x + 100$ at $x = 12$</p> <p>A) -91.58 C) 628 B) 152 D) 3508</p>
<p>3. $y = 3x^2 + 0.5x + 7$ at $x = 2$</p> <p>A) 32 C) 8.75 B) 18.5 D) 20</p>	<p>8. $y = 4x^2 - 17x$ at $x = -0.5$</p> <p>A) 7.5 C) 9.5 B) -7.5 D) -9.5</p>
<p>4. $y = x^2 + 16x - 100$ at $x = 10$</p> <p>A) 160 C) -160 B) 70 D) -70</p>	<p>9. $y = 2x^2 + 4x + 200$ at $x = -\sqrt{2}$</p> <p>A) $-4\sqrt{2} + 204$ C) $4\sqrt{2} + 204$ B) 212 D) 211</p>
<p>5. $y = -4x^2 + 12x$ at $x = -3$</p> <p>A) 0 C) 72 B) -72 D) -34.67</p>	<p>10. $y = \sqrt{6}x^2 + \sqrt{3}x + 10$ at $x = \sqrt{3}$</p> <p>A) $3\sqrt{15} + 10$ C) $4\sqrt{6+9} + 10$ B) $3\sqrt{6} + 13$ D) $3(\sqrt{6} + \sqrt{9}) + 10$</p>