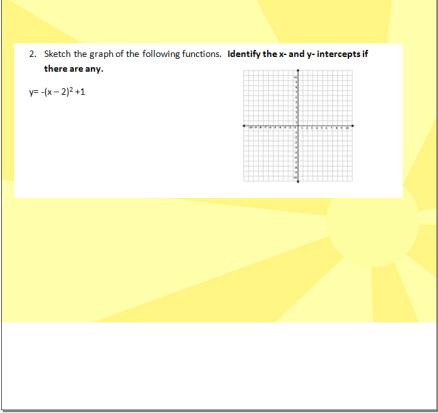
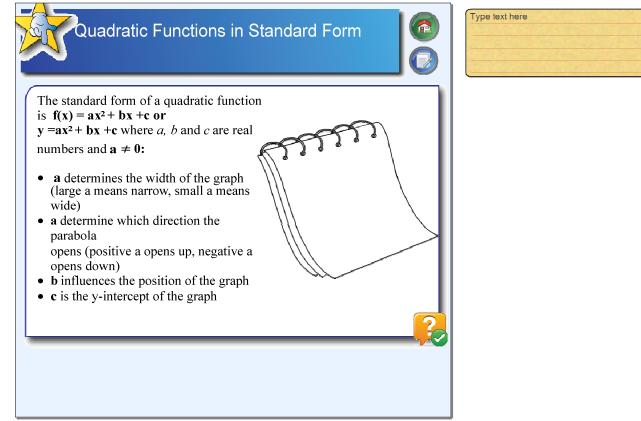


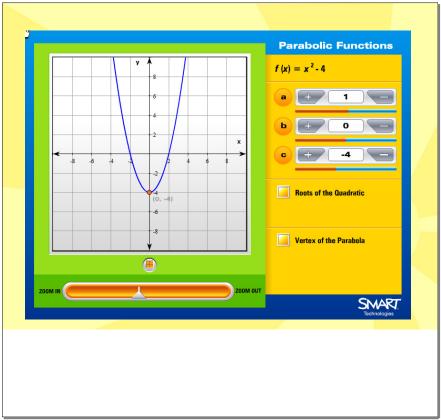
September 13, 2012



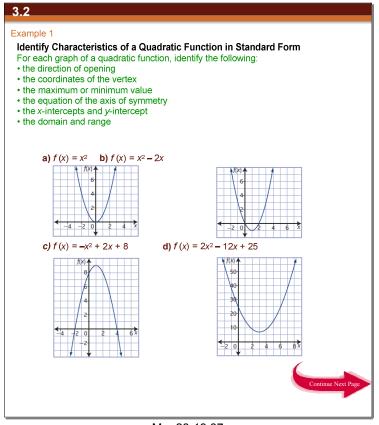
Sep 9-5:13 PM



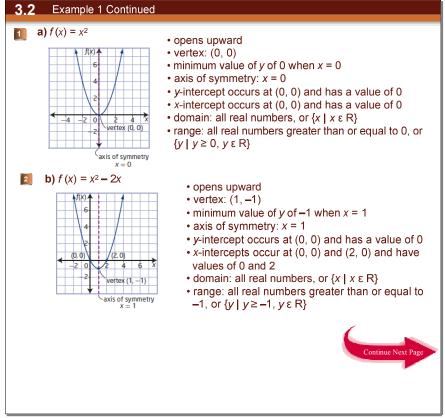
September 13, 2012



Oct 4-11:25 PM



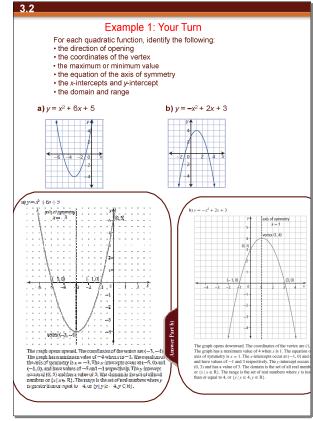
Mar 23-19:37



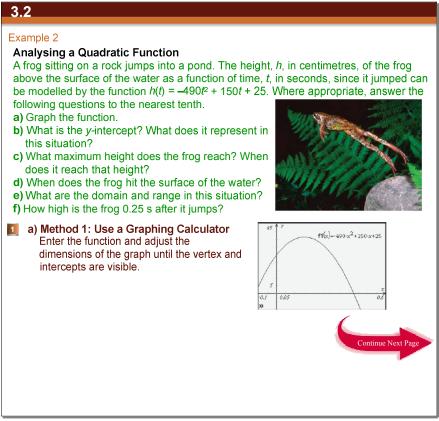
Mar 23-19:37

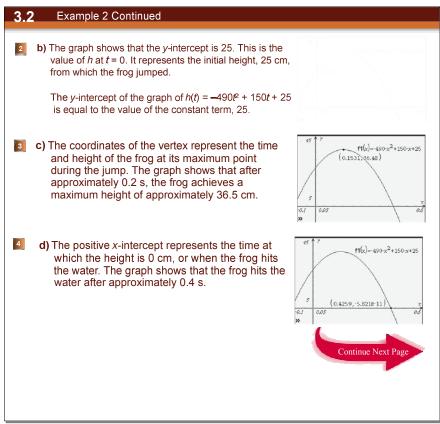
3.2 Example 1 Continued	
3 c) $f(x) = -x^2 + 2x + 8$	• opens downward • vertex: (1, 9) • maximum value of <i>y</i> of 9 when $x = 1$ • axis of symmetry: $x = 1$ • <i>y</i> -intercept occurs at (0, 8) and has a value of 8 • <i>x</i> -intercepts occur at (-2, 0) and (4, 0) and have values of -2 and 4 • domain: all real numbers, or { $x \mid x \in \mathbb{R}$ } • range: all real numbers less than or equal to 9, or { $y \mid y \le 9, y \in \mathbb{R}$ }
d) $f(x) = 2x^2 - 12x + 25$ d) $f(x) = \frac{1}{2}x^2 - \frac{1}{2}x + 25$	 opens upward vertex: (3, 7) minimum value of <i>y</i> of 7 when <i>x</i> = 3 axis of symmetry: <i>x</i> = 3 <i>y</i>-intercept occurs at (0, 25) and has a value of 25 no <i>x</i>-intercepts domain: all real numbers, or {<i>x</i> <i>x</i> ε R} range: all real numbers greater than or equal to 7, or {<i>y</i> <i>y</i> ≥ 7, <i>y</i> ε R}

Mar 23-19:37

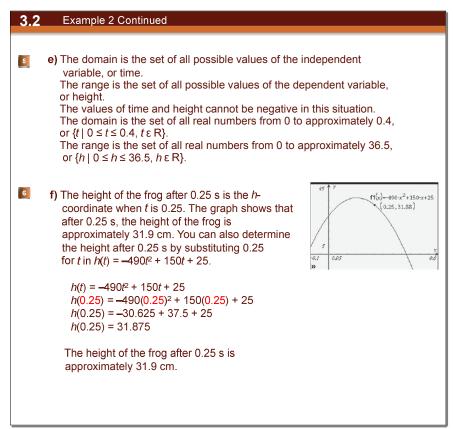


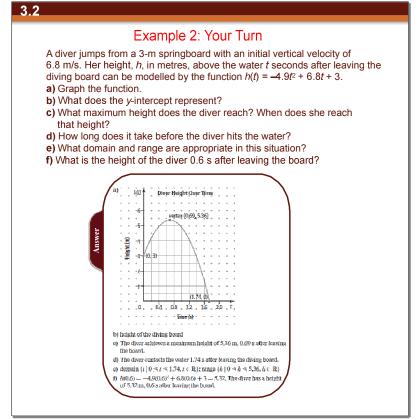
Mar 23-19:37



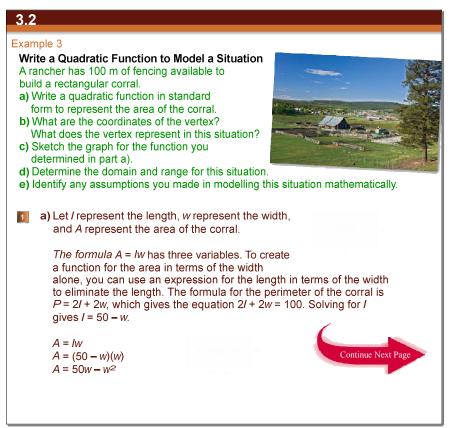


Mar 23-19:37

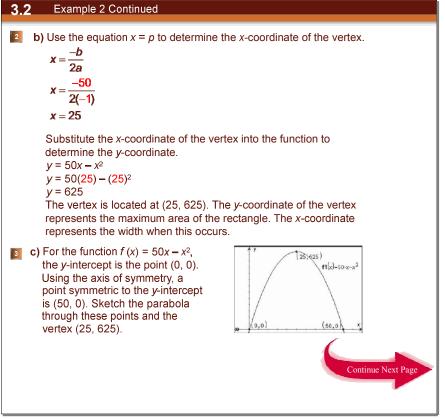




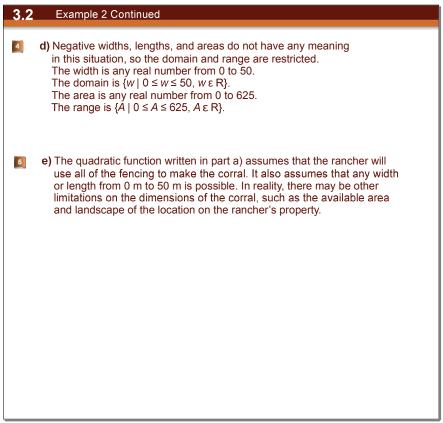
Mar 23-19:37

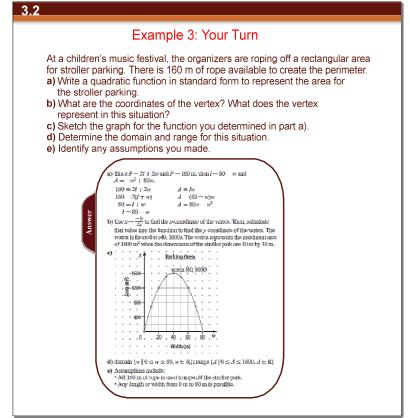


Mar 23-19:37



Mar 23-19:37





Mar 23-19:37

