The following errors appear in the Alberta Applied Math 30 KEY, 2009 edition.

Page 81, Unit Review: Cyclic, Recursive and Fractal Patterns

The unit reads, "…The dimensions of the graph can be changed by introducing values for the variable in the following version: $y = a\sin(bx - c) + d$."

It should read, "…The dimensions of the graph can be changed by introducing values for the variable in the following version: $y = a\sin(bx + c) + d$."

Page 82, Unit Review: Cyclic, Recursive and Fractal Patterns

The unit reads, "Most graphing calculators are able to perform a sinusoidal regression to produce an equation for the line of best fit in data in the form of $y = a\sin(bx - c) + d$, …."

It should read, "Most graphing calculators are able to perform a sinusoidal regression to produce an equation for the line of best fit in data in the form of $y = a\sin(bx + c) + d$, …."

Page 82, Unit Review: Cyclic, Recursive and Fractal Patterns

The solution for Example (a) reads, "To answer this, students will have to become familiar with their own particular calculators."

$y = 20.61\sin(0.52x + 2.16) + 1.21$
$a = 20.61$
$b = 0.52$
$c = 2.16$
$d = 1.21$

It should read, "To answer this, students will have to become familiar with their own particular calculators."

$y = 20.61\sin(0.52x - 2.16) + 1.21$
$a = 20.61$
$b = 0.52$
$c = -2.16$
$d = 1.21$

Page 84, Unit Review: Cyclic, Recursive and Fractal Patterns

The Example (e) reads, "What is the average temperature …we evaluate the sinusoidal function where $x - 7.5$."

It should read, "What is the average temperature …we evaluate the sinusoidal function where $x = 7.5$."

Page 84, Unit Review: Cyclic, Recursive and Fractal Patterns

The solution Example (e) reads, "$y = 20.61\sin(0.52(7.5) + 2.16) + 1.21$

$y = -3.35°C$

Students may also be asked to interpret information given in a graph to produce the sinusoidal function without performing a regression on the calculator."

It should read, "$y = 20.61\sin(0.52(7.5)$**Error! Objects cannot be created from editing field codes.**$2.16) + 1.21$

$y \approx 21.5\,°C$

Students may also be asked to interpret information given in a graph to produce the sinusoidal function without performing a regression on the calculator in radian mode."