

PreCalculus

Quiz Over the Journals

Answer the following, demonstrating your path to solution. Use nouns, verbs, and ly-words.

1. When is the difference between R and R^2 the greatest? The least?
2. Which of the Famous Curves is closest in shape to your Degree of Chaos plot?
3. Create a plot in VideoPoint that gives a mathematical model in the form of $Ax^n + Bx^{n-1} + Cx^{n-2} + \dots$ with $n > 2$. Give the best-fit function and the value for R . Assume that the vertical molding that is near the ball in the Movie is 1.00 meter long.
4. Complete the square for the function shown. Verify your answer using the Quadratic Formula. $\Theta = f(\Lambda) = -\Lambda^2\Phi - \Omega\Lambda + \Psi$
5. Evaluate $f(x) = Ax^2 + Bx + C$ when $x = \frac{P+Q}{2}$. What does this mean? Verify with the function $x^2 + 2x - 8$.