

Quiz 1 Calculus 1 9/4/2007

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. If a cricket chirps 113 times per minute at 70°F and 173 chirps per minute at 80°F , find a linear equation that models the temperature as a function of the number of chirps per minute.

2. Find an exponential function of the form $f(x) = Ca^x$ passing through the points (1,6) and (3,24).