Quadratic Extra Credit Name_____

Find the solution to the following quadratic by graphing, using the quadratic formula, and using the QUAD program. **SHOW ALL WORK!! INCLUDING A SKETCH OF THE GRAPH FROM YOUR CALCULATOR**. Label the intersection points.

Alan is traveling 19 m/s on his scooter when he applies the brakes so he won't go over the cliff ahead. His rate of deceleration is 1.8 m/s^2. At what time is he 43 m from where he started to apply the brakes?