

A.1 The student will solve multistep linear equations and inequalities in one variable, solve literal equations (formulas) for a given variable and apply these skills to solve practical problems. Graphing calculators will be used to confirm algebraic solutions.

- The cost, c , of parking a car in a lot in downtown San Antonio is given by the formula $c = 0.75h + 1.50$, where h is the number of hours parked. If Sara paid \$3.75 for parking in a lot downtown, how long was she parked?
 - 1.5 hr
 - 2.25 hr
 - 3 hr
 - 5 hr
 - 7 hr
- What is the solution to the equation $5(x - 3) - 9 = 3(x - 2) + 16$?
 - $x = -7$
 - $x = 1$
 - $x = 10$
 - $x = 13$
 - $x = 17$
- If the perimeter of an equilateral triangle is 36 feet, find the length of one side.
 - 6 ft
 - 9 ft
 - 12 ft
 - 72 ft
- Solve: $5(1 - x) > 4(3 - x)$
 - $x < -17$
 - $x > -17$
 - $x < -7$
 - $x > 7$
- From the main menu of a Casio calculator, what options would you choose to solve a linear equation in one variable?
 - RUN
 - TABLE
 - EQUA then Simultaneous
 - EQUA then Solver
- What part of a linear equation in one variable do you need to type into the calculator in order for it to be solved?
 - the left hand side of the equation
 - the right hand side of the equation
 - the entire equation
 - depends on the equation you are solving