

Name: _____

Class: _____

Date: _____

- 1) A rectangle is 8 ft. long and 4 ft. wide. If each dimension is increase by the same number of feed, a new rectangle is formed whose area exceeds the area of the original rectangle by 72 square feet. Find the dimensions of the new rectangle.
- 2) The Altitude of a triangle is 5 units less than it's base. The area of the tringle is 42 square inches. Find the altitude and base.

What solution(s) did you find?

Does it/do they makes sense in the context of the problem? What does it mean?

What type(s) of solution where you expecting? Think number systems.

Which method(s) for solving quadratic equations did you choose?

Why? Do you think this was the best method?

Show all of your work (neatly).