

Geometry City-Sector Proposal

As we head into the early part of the 21st Century it is very obvious that our population is growing older as the "baby boomers" are beginning to reach retirement. The economic implications are incredible, as social services will be needed to provide for these ancient relics of the past. As they head into retirement they will be carrying large sums of retirement money as many of the "boomers" reached significant income levels and life-style situations that they want to continue during their years of retirement. They invested well and planned for the future. For you, the future is now! Our corporation wants to take advantage (in the good sense of the word) of the situation by creating a retirement city in warm-weather state that will attract large numbers of retirees.

As the newest member of our staff you will have a magnificent opportunity to impress the corporate leaders and improve your "rookie" standing by developing a blueprint of a portion of the perfect retirement community for the "boomers". Remember, many of our corporate leaders are solid members of the "baby boomer" generation.

Your job (in groups of 2) is to submit a completed drawing (in color) of your proposal (blueprint) for the Geometry retirement city to the leaders of the **[insert name]** Development Corporation. Also, in attendance at the oral presentation of your proposal will be corporate stockholders (students). As with any fiscally responsible corporation, we do have some budget constraints in order to optimize our profit and secure your paycheck. Additionally, our leaders have determined that the city must contain certain features. The budget limit for your share of the this multi-faceted project is \$6,995,000. Spend as much of the budgeted amount as possible because the money not used will go into a General Fund for the Corporation and we will not have future access to the money. Your proposal and oral presentation will be judged by one member of the corporate board of **[insert name]** Corporation in addition to the stockholders who will view your presentation. The following criteria will be used in judging your work:

1. Safe design in accordance with practical thought patterns
2. Aesthetics, innovation and optimum use of the area
3. Cost effectiveness (as close to \$6,995,000 as possible without going over)
4. Meeting design specifications
5. Effectiveness of presentation and use of persuasive selling on your part.

The area of the Retirement City that you will be concerned with is a rectangular shaped, one square mile parcel (in the southeast section of the downtown) that turns into a residential area. Be concerned with scale as it relates to the size and shape of buildings relative to each other on the drawing. On the designated day for your persuasive oral presentation, your group must also present to the corporate board a written document persuading us on the adoption of your plan, an itemized cost for the project and a fully detailed and colored design of your project.

BLUEPRINT: Your Geometry City Sector **must** be designed with only a compass and straight edge. This will be done on Size 'E' blueprint paper (43" X 33")

SPECIFICATIONS: Your area of the City Sector must contain at least a park, a mall, a church, 25 houses, streets and a clock tower.

Park: Include a softball field, trees, benches, asphalt walkways through and around the park and an Olympic size swimming pool.

Mall: Include a large grocery store, a convenience store, a take-out pizza store, a restaurant, burger stand, a drugstore, clothing store and a video rental store.

Houses: Houses may be in the shape of any regular polygon except a triangle. There may not be more than four (4) houses on each side of a block.

Streets: Streets may intersect at 90°, 60°, 30° and 45° angles or streets may be parallel.

Church: In a quiet area of your sector.

Clock Tower: Design a regular-pentagonal shaped clock tower surrounded by a traffic circle.