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| Soda StoryA restaurant currently sells medium drinks and small drinks. The small drink contains 16 ounces and costs $0.97. The medium drink contains 22 ounces and costs $1.29. The owners of the restaurant want to introduce a large-sized drink. How many ounces should the large drink contain, and what should the price be for the relationship to be linear? | City PlanningOn a map, the fire station is located at  and the church is at . What are the coordinates of the post office if it is located exactly **one quarter** of the way from the fire station to the church? |
| BattleshipTwo ships started at the same point and steamed in opposite directions at the same speed. After one hour, the USS Zumwalt was at the point  and the USS Newport News was at . At what point did they start? | Coordinate ConundrumPoint  has the coordinates  and point  has the coordinates . *B* is the midpoint of ,  is the midpoint of , and  is the midpoint of . Find the coordinates of points , , and . |
| Town TravelsBryan lives 1 mile east and 2 miles north of his town’s center. Eastside High is located 5 miles east and 3 miles south of the town’s center. Westside High is located 2 miles west and 5.75 miles north of the town’s center. Bryan says he should go to Eastside High school, since he lives on the east side of town. Does this make mathematical sense? Explain.*Hint: Let the town center be at the origin.* | Real Estate RulesIn a certain town, a 4-bedroom, 2-bathroom house that is 1,640 square feet costs $330,490. In the same town, a 4-bedroom, 2-bathroom house that is 1730 square feet costs $393,840. How much would you estimate an 1820 square foot, 4-bedroom, 2-bathroom house costs in that town? |