**Financial Algebra**

Chap 7 Day 4 Floor Plans

*Be able to read a floor plan; compute the area and perimeter.*

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| **Word** | **Definition** |
| **Floor Plan** |  |

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| Needs | Wants |
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| Minimum Square Footage: **400** Maximum Square Footage: **2,000** |





**Example 1:** Jerry is using the floor plans for his new home to help him purchase base molding for the place where the walls meet the floor. The plans are drawn using a scale of ¼ inch represents 1 foot. He measures the walls on the floor plan with a ruler and finds that they total 23½ inches. If molding costs $2.10 per foot, how much will Jerry spend on molding?

**Example 2:** Gabriela plans to carpet her living room, except for the quarter-circle shown in the corner. That area will be a wood floor where she will put her piano. The radius of the quarter circle is 8 feet. If carpeting costs $9.55 per square foot, what is the cost of the carpeting she will use in her living room?

