Lesson 8.3: Area Problems

In this lesson you will:

- use a variety of strategies to approximate the areas of irregularly shaped figures
- use the area formulas from the previous two lessons to find the areas of more complex figures

You have discovered formulas for areas of rectangles, parallelograms, triangles, trapezoids, and kites. In this lesson you will use these formulas, along with other methods, to find the approximate areas of irregularly shaped figures.

Investigation 8.3: "Area Problems"

On the next page, you'll find eight geometric figures. For each figure, find a way to calculate the approximate area in cm^2. Then record the area and write a sentence or two explaining HOW you found it. (There are a lot of different ways to find each area. Your method may be different from someone else's method, but both methods could be viable.)

Figure A: area = _____cm^2
How I found it? _____
_____
_____

Figure B: area = _____cm^2
How I found it? _____
_____
_____

Figure C: area = _____cm^2
How I found it? _____
_____
_____

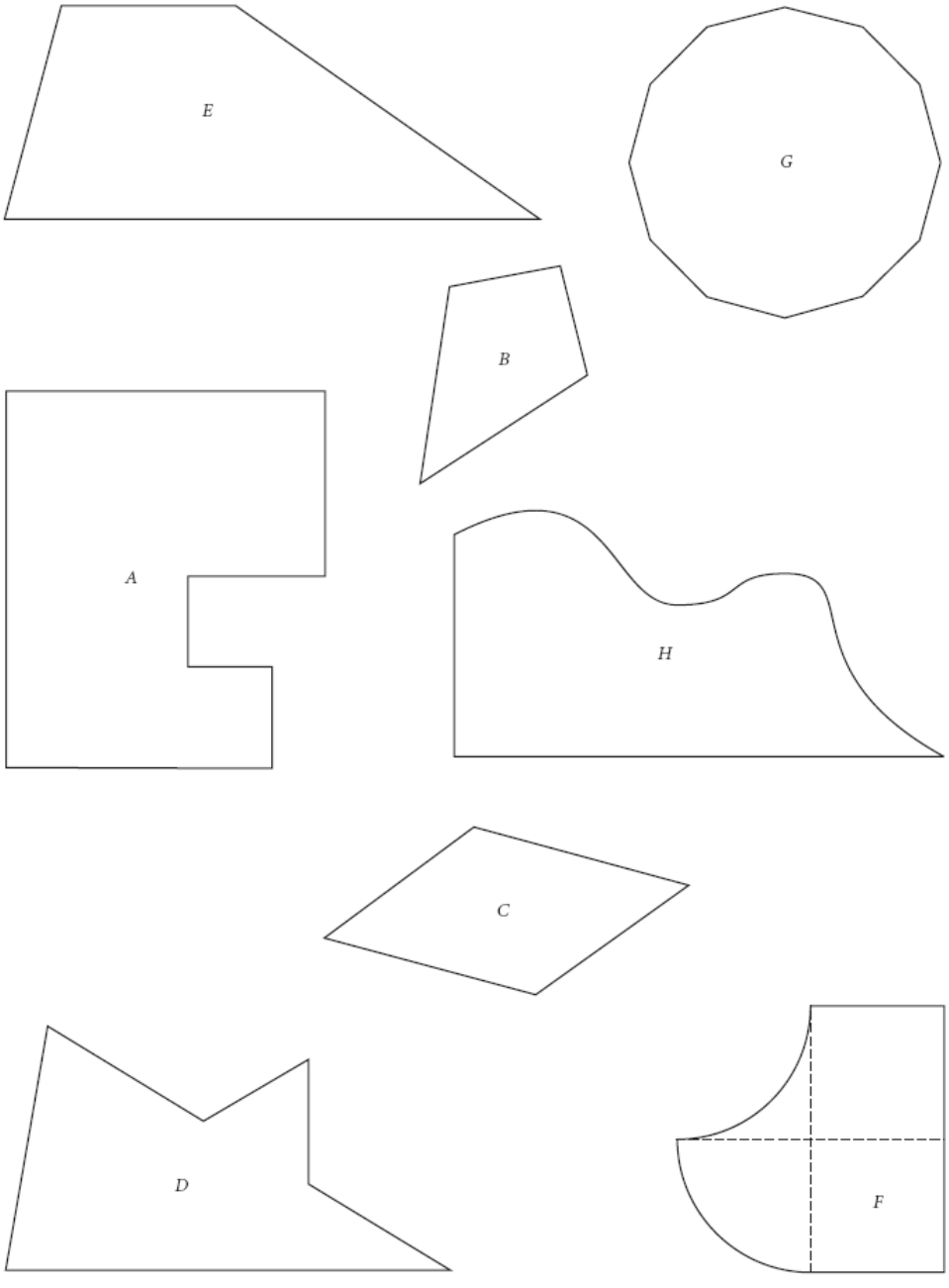
Figure D: area = _____cm^2
How I found it? _____
_____
_____

Figure E: area = _____cm^2
How I found it? _____
_____
_____

Figure F: area = _____cm^2
How I found it? _____
_____
_____

Figure G: area = _____cm^2
How I found it? _____
_____
_____

Figure H: area = _____cm^2
How I found it? _____
_____
_____



⇒**ASSIGNMENT**: _____