

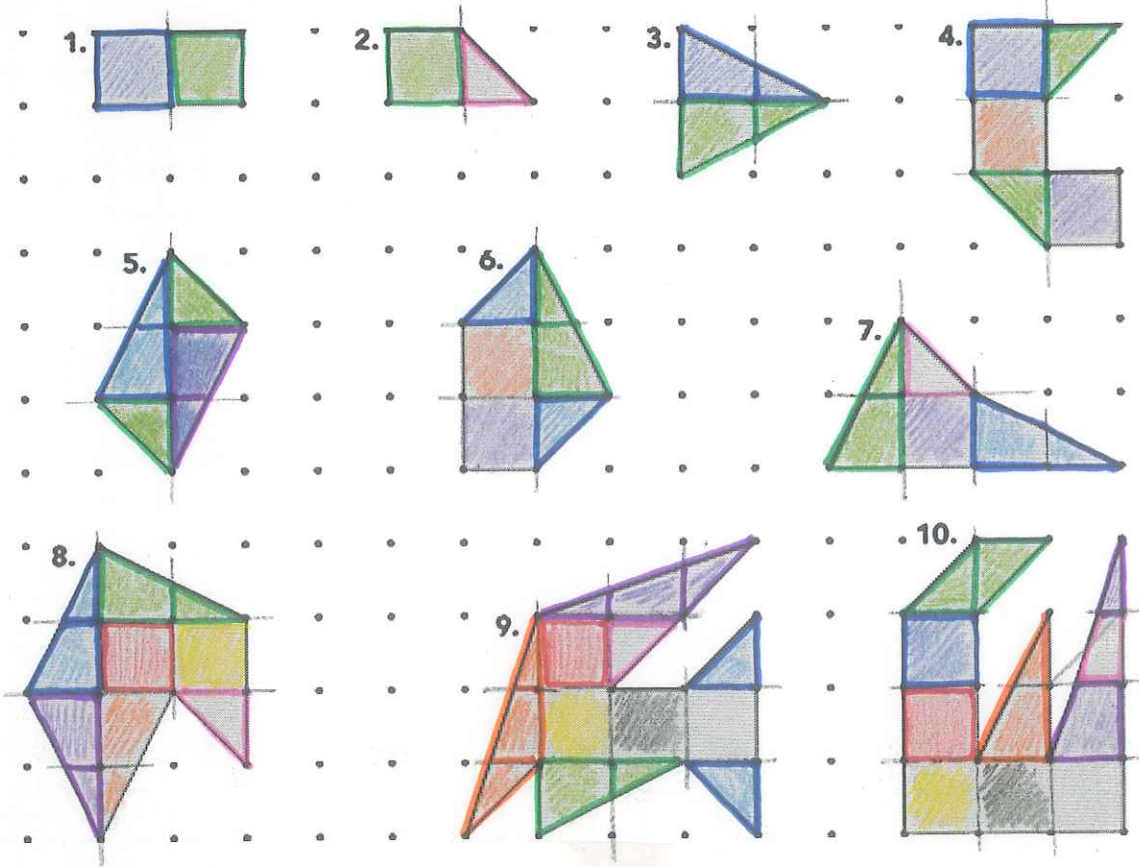
1.3 : Finding Areas : Notes

Page 13

Focus Question: "How does knowing how to calculate

Labsheet 1.3

Irregular Figures



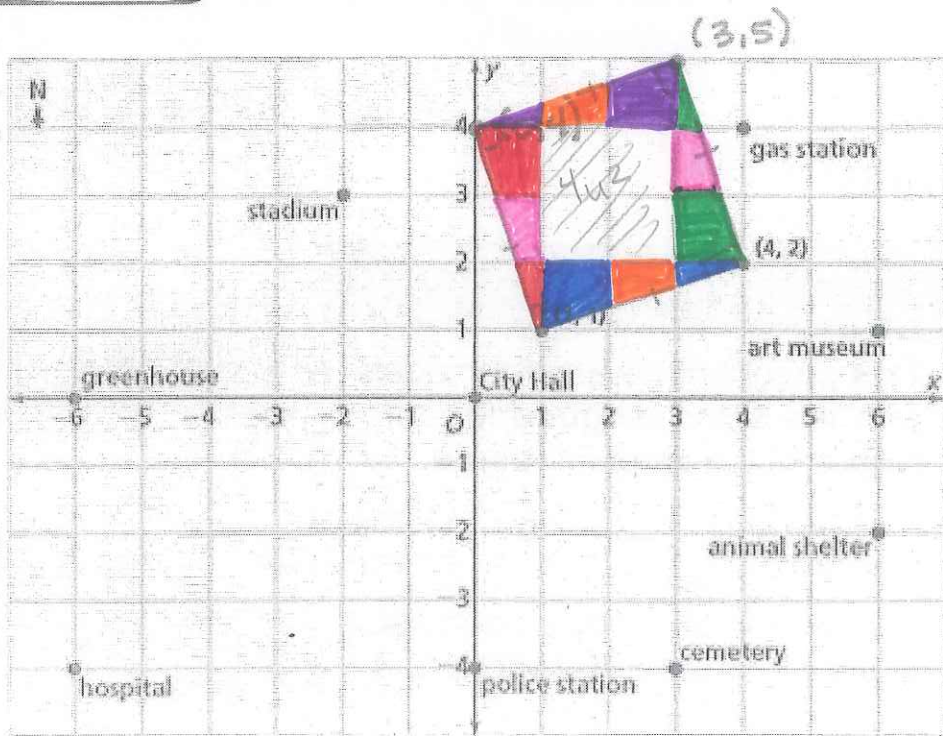
1. 2 units^2
2. $1 \frac{1}{2} \text{ units}^2$
3. 2 units^2
4. 4 units^2
5. 3 units^2
6. 4 units^2
7. $3 \frac{1}{2} \text{ units}^2$
8. $6 \frac{1}{2} \text{ units}^2$
9. $8 \frac{1}{2} \text{ units}^2$
10. $8 \frac{1}{2} \text{ units}^2$

★ Possible approach - subdivide each shape and rearrange

1.3 (B):

1.2 (A) Possible Answers: (there are 3)

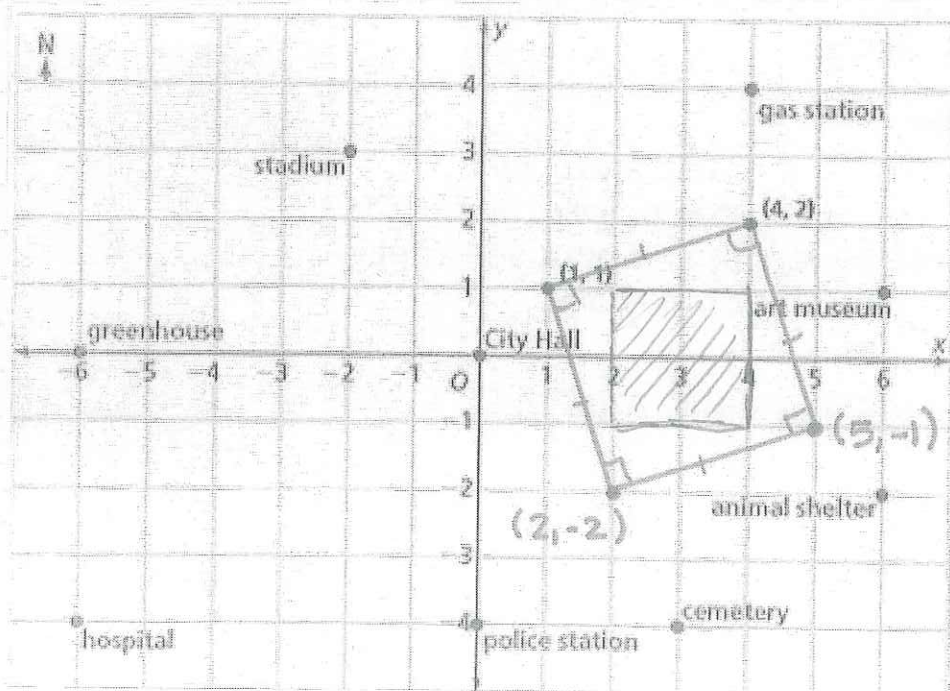
(3,5) and (0,4)



pink = $1u^2$
Purple = $1u^2$
Red = $1u^2$
Green = $1u^2$
Blue = $1u^2$
Orange = $1u^2$

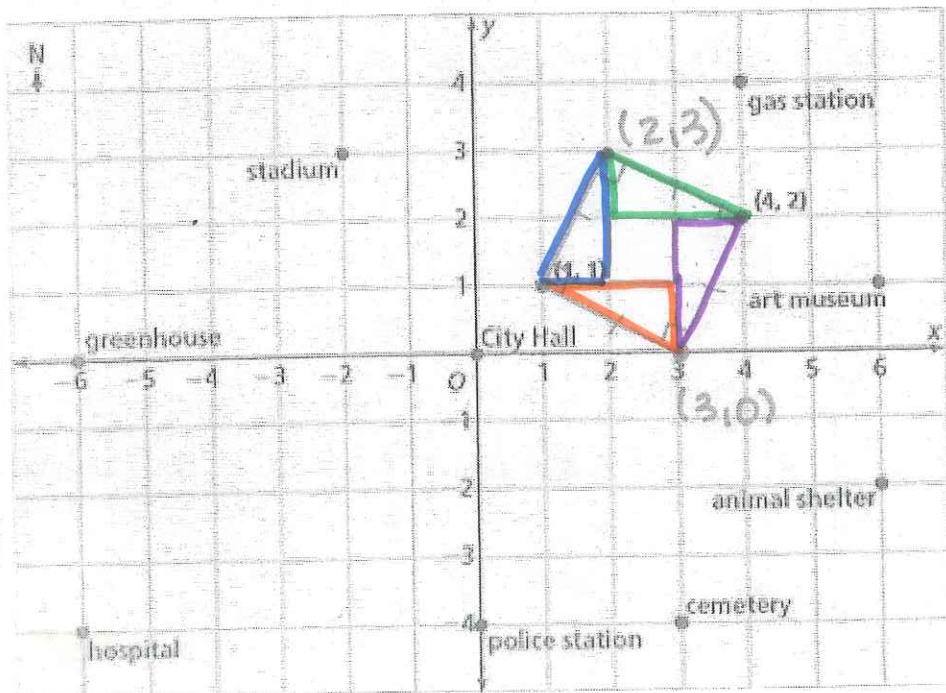
10 units²
total
area

or (2,-2) and (5,-1)



10 units²
total
area

or (2,3) and (3,0)



Each
triangle = $1u^2$

4 triangles = $4u^2$

1 square = $1u^2$

Total:

$5u^2$

© Possible Strategy:

- Subdividing figures and adding the areas of the smaller figures.
or
- Enclosing figures in rectangles and subtracting the areas of the unwanted areas

i.e.



$$2 - \frac{1}{2} = 1\frac{1}{2} \text{ units}^2$$

- Rearranging parts to form a square, rectangle or triangle with an easy to find area.

End of notes.

HW: 15-25 p. 16 or Handout
37-38 p. 18-19