Geometry
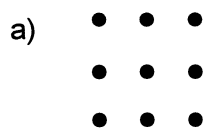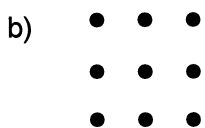*Unit Test*

Name: _____
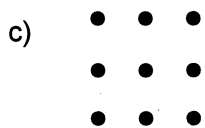
Date: _____

Section A

1. Draw lines in the given column and row. Then circle the dot where the two lines meet:

a)

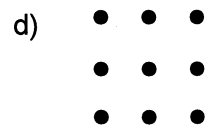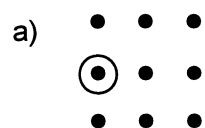Column 1
Row 3

b)

Column 2
Row 3

c)

Column 1
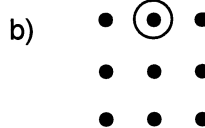Row 2

d)

Column 3
Row 1
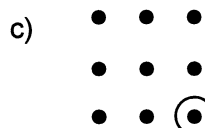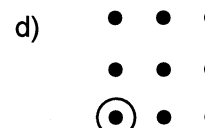
2. Identify the column and row for the circled dot:
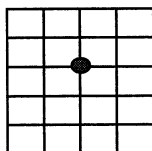
a)

Column _____
Row _____

b)

Column _____
Row _____

c)

Column _____
Row _____

d)
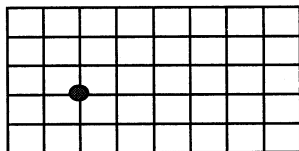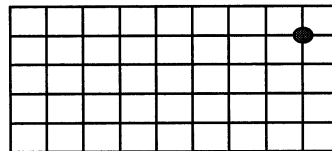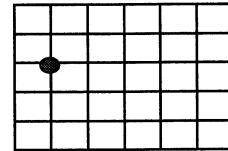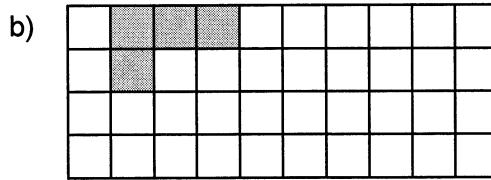
Column _____
Row _____

3. Slide the dot...

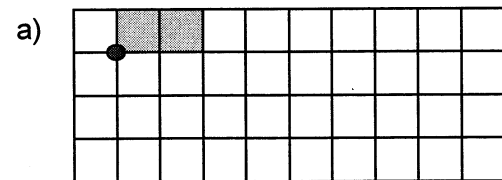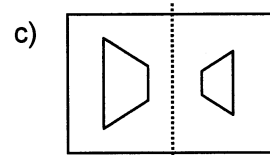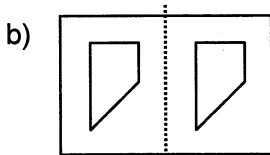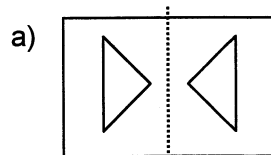a) 3 units down   b) 5 units right   c) 6 units left; 4 units down   d) 3 units right; 1 unit up

4. Slide each figure 5 boxes to the right and 2 boxes down:

a)

b)

5. Circle the pictures that <u>do not</u> show reflections:

a)

b)

c)

d) How do you know the figures you circled aren't reflections?

Geometry
Unit Test

Name: _____

Date: _____

Section A *(continued)*

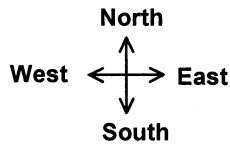6. Answer the following questions using the coordinate system:

	A	B	C	D	E
4				city	valley
3	lake				
2			hill		
1					

North
West ←→ East
South

a) What would you find in square (A,3)?

b) What would you find if you travelled 2 grid squares west of the valley?

c) Give the coordinates of the city:

d) Describe how to get from the city to the lake:

e) Describe how to get from the hill to the city:

7. Use the following clues to figure out where all the children sit:

		Eric	
	Lars		Indra
Peter	Anne	Yen	

✏ Walk 2 desks down and 1 desk right from Eric to find John's seat.

✏ Samir is 1 desk left of Eric.

✏ Sally is between Lars and Indra.

✏ Walk 2 desks right and 1 desk up from Lars to find Mary's desk.

✏ Emma is 2 desks up from Peter.

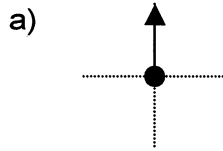✏ Walk 1 desk up and 1 desk left from Anne to find Janet.
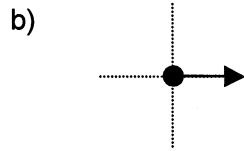
Geometry
Unit Test

Name: _____

Date: _____

Section A *(continued)*
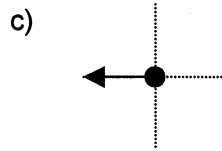
8. Show where the arrow or the shape would be after each turn:

a)

¼ turn clockwise
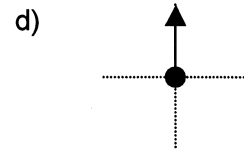
b)

½ turn clockwise

c)

¾ turn clockwise

d)

1 whole turn clockwise
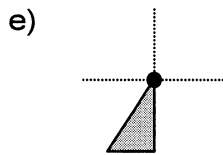
e)

¼ turn counter
clockwise

f)

½ turn counter
clockwise

g)

¾ turn counter
clockwise

h)
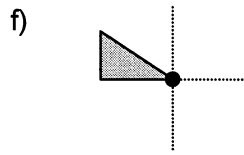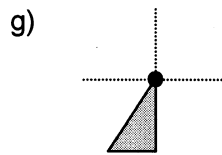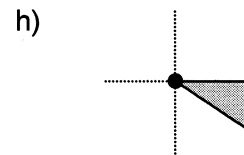
1 whole turn
counter clockwise

Unit Test: Geometry – Workbook 4, Part 2

Section A

1. a)

    b)

    c)

    d)
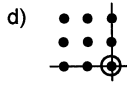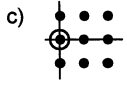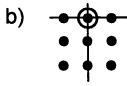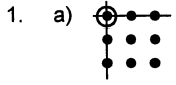
2. a) Column 1
       Row 2

    b) Column 2
       Row 3

    c) Column 3
       Row 1

    d) Column 1
       Row 1

3. a)

    b)

    c)

    d)

4. a)

    b)
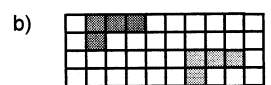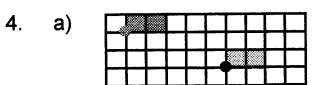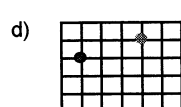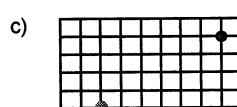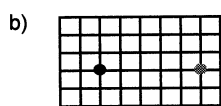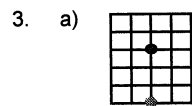
5. a) Not circled

    b) Circled

    c) Circled

    d) Picture b) shows a slide, not a reflection. The shapes are the same size and shape, but the vertices are not the same distance from the mirror line. The shapes in Picture c) – though facing opposite directions – don't have the same size.

6. a) Lake

    b) Hill

    c) (D, 4)

    d) 1 square south, then 3 squares west (or in reverse order)

    e) 2 squares north, then 1 square east (or in reverse order)

7.

Emma	Samir	Eric	Mary
Janet	Lars	Sally	Indra
Peter	Anne	Yen	John

8. a)

    b)

    c)

    d)

    e)

    f)

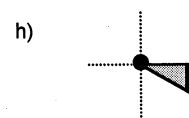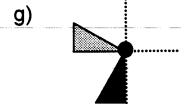   g)

    h)

Section B

9. *Shapes, from left to right:*
    - Rectangular (or square) prism
    - Square pyramid
    - Cone
    - Cylinder
    - Triangular pyramid
    - Triangular prism

10.

Faces	5	4	6	6	5
Vertices	5	4	8	8	6
Edges	8	6	12	12	9

11. a)

	PP	SP
Faces	6	5
Edges	10	8
Vertices	6	5
# of bases	1	1
Shape of base	⬠	☐
Shape of faces that are not bases	△	△

    b) Answers will vary. Description should include:

    Same:
    - pyramids
    - both have 1 base,
    - non-base faces are triangles in both shapes

    Different
    - # of faces, vertices, edges
    - Shape of base