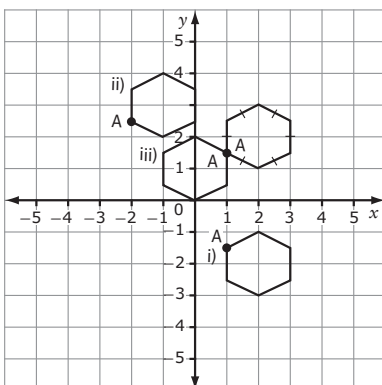
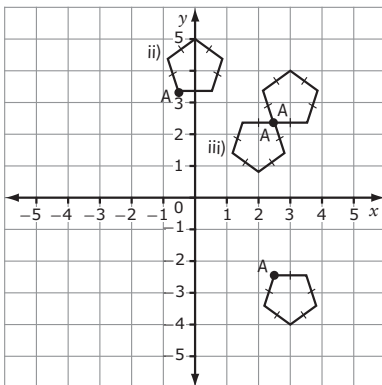
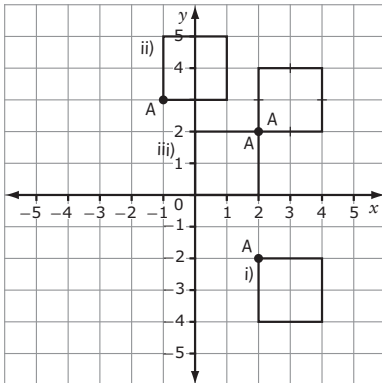
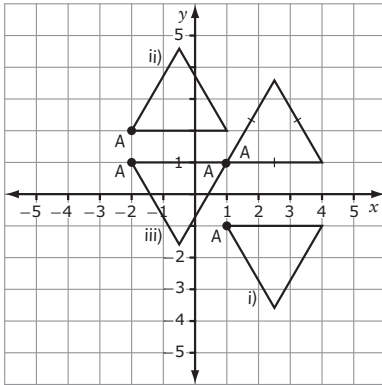


Chapter 1 BLM Answers

BLM 1-1 Chapter 1 Problems of the Week

1. 16 cm
2. a)



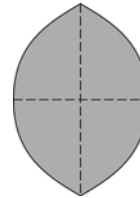
- b) The square and hexagon. Any even sided shape will appear to have the same orientation.
3. Answers will vary.

BLM 1-5 Section 1.1 Extra Practice

1. a) 1

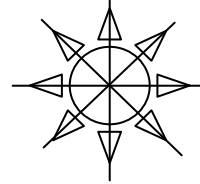


b) 2

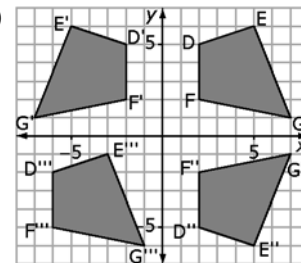


c) 0

d) 4



4. a) to c)



d) NO. If it was a reflection, each of the reflected points would be the same distance from the y-axis and they are not.

BLM 1-7 Section 1.2 Extra Practice

1. a) Order of rotation: 4

Angle of rotation: 90° , $\frac{1}{4}$ turn

b) Order of rotation: 8

Angle of rotation: 45° , $\frac{1}{8}$ turn

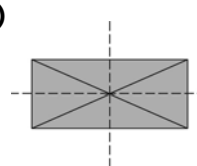
2. a) Number of lines of symmetry: 2

Order of symmetry: 2

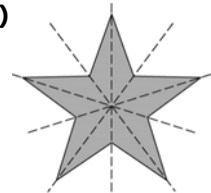
b) Number of lines of symmetry: 5

Order of symmetry: 5

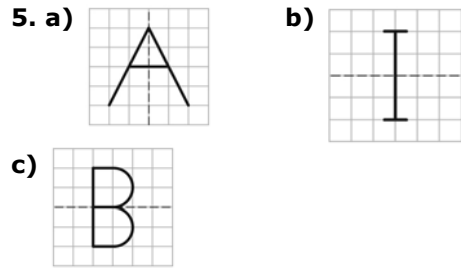
3. a)



b)



4. a) Number of lines of symmetry: 0
Angle of rotation: 180°
b) Number of lines of symmetry: 3
Angle of rotation: 120°



d) B. The bottom half is a reflection of the top half. Also, the bottom half is a vertical downward translation image of the top half.





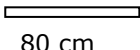

BLM 1-9 Section 1.3 Warm Up

1. a) 10.82 b) 18.03
2. a) 4 b) 8.94

BLM 1-10 Section 1.3 Extra Practice

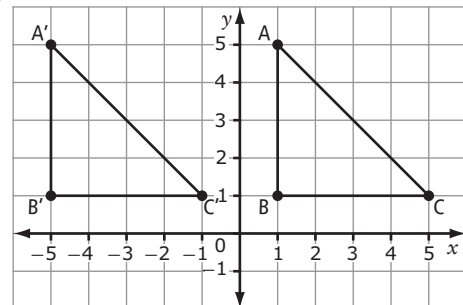
1. Estimates will vary. a) *Estimate:* 80 cm^2 ; *Calculate:* Side 1 = 5, Sides 2 and 3 = 16, Sides 4, 5, 6 = 30, Side 7 = 20, Side 8 = 15, Total = 86 cm^2
b) *Estimate:* 100; *Calculate:* top/bottom = 36, back = 20, 2 sides = 32, front = 20, total = 108 cm^2
2. a) back/front = 40, sides = 32, top/bottom = 40, total = 112 cm^2
b) sides = 12, top/bottom = 16, front/back = 20, inside = 6, total = 54 cm^2

3.

Shape	Number
Sides:  105 cm 30 cm	4
Top and bottom:  30 cm 80 cm	4
Back:  105 cm 80 cm	2
Top and bottom of shelves:  30 cm 80 cm	4
Front of shelves, front of top and bottom:  2 cm 80 cm	4
Front of sides:  105 cm 2 cm	2

BLM 1-11 Chapter 1 Test

1. B 2. C 3. D 4. C
5. 6 6. 90°
8. NO. The cartoon is symmetrical to a curved line, not a straight line.
9. a)



- b) $(-5, 5)$, $(-5, 1)$, and $(1, 1)$
c) NEITHER.

