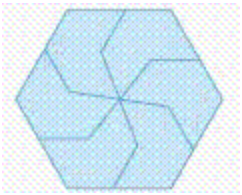
1. Determine the smallest angle of rotation symmetry of the given figure.



a. no rotation symmetry
b. 45 degrees
c. 180 degrees
d. 90 degrees
e. 60 degrees

ANSWER: e
POINTS: 1
REFERENCES: Section 10.2
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: MTEL.BASS.16.191 - Describe the rotation symmetry of a figure
DATE CREATED: 3/21/2019 9:43 AM
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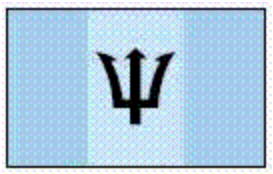
2. Determine the number of lines of symmetry in the figure below.



a. 2
b. 3
c. 5
d. 1
e. 7

ANSWER: d
POINTS: 1
REFERENCES: Section 10.2
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: MTEL.BASS.16.192 - Compute the number of lines of symmetry
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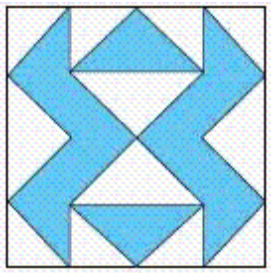
3. Determine the number of lines of symmetry in the quilt patters below.



Fool's Puzzle

a. 4
b. 1
c. 2
d. 0
e. 3

ANSWER: c
POINTS: 1
REFERENCES: Section 10.2
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: MTEL.BASS.16.192 - Compute the number of lines of symmetry
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4. Tell whether the statement below is true or false.

If a figure has point symmetry, it must also have rotation symmetry.

a. true
b. false

ANSWER: a
POINTS: 1
REFERENCES: Section 10.2
QUESTION TYPE: Multiple Choice
HAS VARIABLES: True
LEARNING OBJECTIVES: MTEL.BASS.16.193 - Verify statements about symmetry
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5. The word “HIDE” has one (horizontal) line of symmetry. This means that if we flip the word over, it will still spell HIDE. Find another four-letter word that has horizontal symmetry.

a. BAKE
b. HIKE
c. BOOM

d. DOOM
e. EXIT

ANSWER: b
POINTS: 1
REFERENCES: Section 10.2
QUESTION TYPE: Multiple Choice
HAS VARIABLES: True
LEARNING OBJECTIVES: MTEL.BASS.16.196 - Identify a word with a given symmetry
DATE CREATED: 3/21/2019 9:43 AM
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6. The word “WITH” has one (vertical) line of symmetry if we write it vertically. Find another four-letter word that has vertical symmetry.

a. WALK
b. MANE
c. MATE
d. TAME
e. WHOM

ANSWER: e
POINTS: 1
REFERENCES: Section 10.2
QUESTION TYPE: Multiple Choice
HAS VARIABLES: True
LEARNING OBJECTIVES: MTEL.BASS.16.196 - Identify a word with a given symmetry
DATE CREATED: 3/21/2019 9:43 AM
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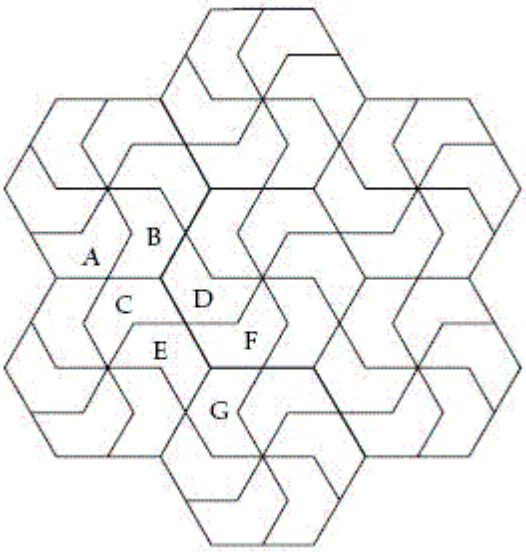
7. Look at the tessellation below, a hexagon that has been decomposed into six congruent hexagons called chevrons. Can you identify two chevrons in which the one is a reflection of the other?

10.2 - Symmetry and Tessellations



a. D and E
b. B and C
c. C and E
d. C and D
e. A and E

ANSWER: a
POINTS: 1
REFERENCES: Section 10.2
QUESTION TYPE: Multiple Choice
HAS VARIABLES: True
LEARNING OBJECTIVES: MTEL.BASS.16.197 - Identify two reflections in a tesselation
DATE CREATED: 3/21/2019 9:43 AM
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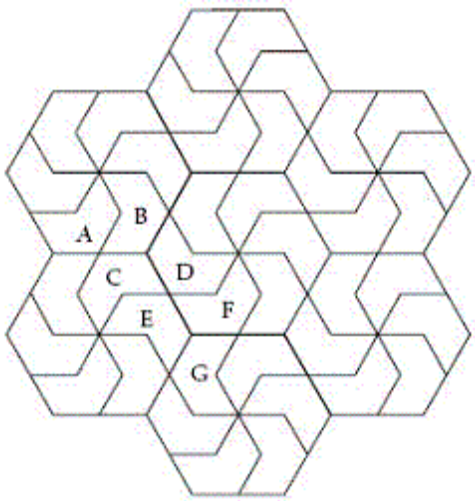
8. Look at the tessellation below, a hexagon that has been decomposed into six congruent hexagons called chevrons. Can you identify two chevrons in which the one is a rotation of the other about a common vertex?



a. C and F
b. B and G
c. C and G
d. E and F
e. D and G

ANSWER: d
POINTS: 1
REFERENCES: Section 10.2
QUESTION TYPE: Multiple Choice
HAS VARIABLES: True
LEARNING OBJECTIVES: MTEL.BASS.16.198 - Identify two rotations in a tesselation
DATE CREATED: 3/21/2019 9:43 AM
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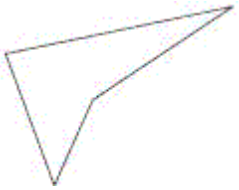
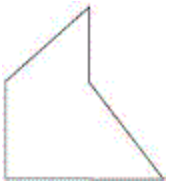
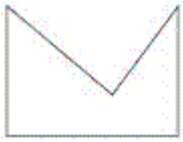
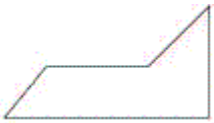
9. Which of the following figures does not tessellate?

a. 

b. 

c. 

d. 

e. 

ANSWER: c
POINTS: 1

10.2 - Symmetry and Tessellations

REFERENCES:	Section 10.2
QUESTION TYPE:	Multiple Choice
HAS VARIABLES:	False
LEARNING OBJECTIVES:	MTEL.BASS.16.199 - Identify the figure that does not tessellate
DATE CREATED:	3/21/2019 9:43 AM
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