

Contents



TEACHER GUIDE

- NCTM Content Standards Assessment Rubric 4
- How Is Our Resource Organized? 5
- The NCTM Principles & Standards..... 6



STUDENT HANDOUTS

- Exercises
 - Warm-Up Drill 1 7
 - Timed Drill 1 (3 minutes) 8
 - Timed Drill 2 (2 minutes) 9
 - Warm-Up Drill 2 10
 - Timed Drill 3 (4 minutes) 11
 - Timed Drill 4 (3 minutes) 12
 - Warm-Up Drill 3 13
 - Timed Drill 5 (3 minutes) 14
 - Timed Drill 6 (2 minutes) 15
 - Warm-Up Drill 4 16
 - Timed Drill 7 (3 minutes) 17
 - Timed Drill 8 (3 minutes) 18
 - Warm-Up Drill 5 19
 - Timed Drill 9 (3 minutes) 20
 - Warm-Up Drill 6 21
 - Timed Drill 10 (2 minutes) 22
 - Timed Drill 11 (4 minutes) 23
- Review 24



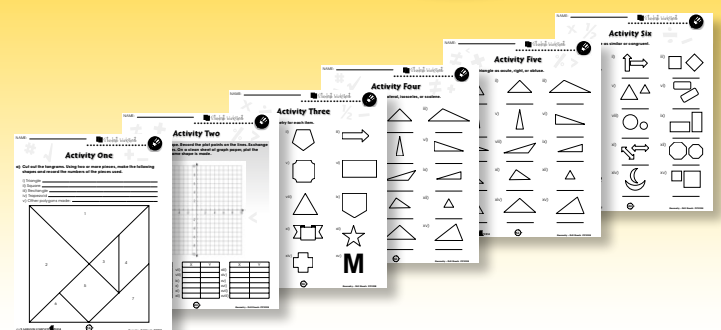
EASY MARKING™ ANSWER KEY 27

MINI POSTERS 30

✓ **6 BONUS Activity Pages!** Additional worksheets for your students

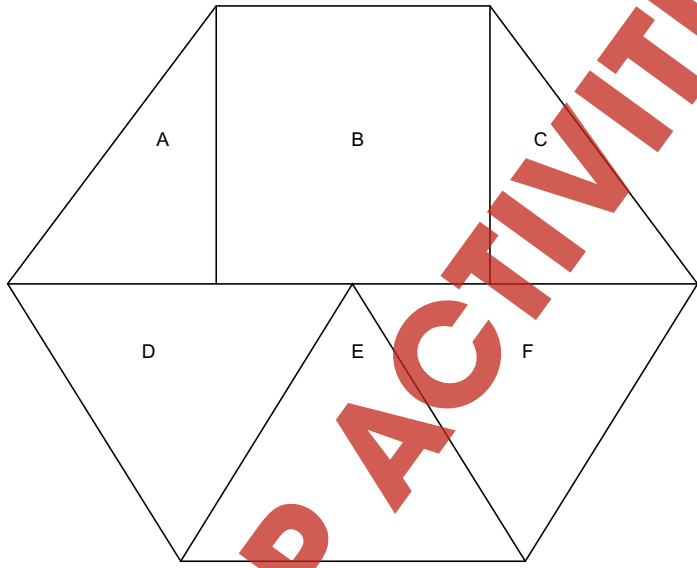
- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC3208
- Enter pass code CC3208D for Activity Pages.

FREE!





7a) Using the tangram below, identify the following shapes by writing the correct letters in the space provided.



Ex: Square B

- i) Triangles _____
- ii) Trapezoids _____
- iii) Hexagon _____
- iv) Rhombuses _____

b) What other shapes can you make using the tangram above?

Explore with Technology

With the help of an adult, find other shapes that can be made by dividing and subdividing shapes.



10a) Shapes are congruent if they are the same size and shape. Shapes are similar if they are the same shape but not the same size. Identify each shape as similar or congruent.

Ex: congruent

i) ii)

iii) iv) v)

vi) vii) viii)

ix) x) xi)

xii) xiii) xiv)

Reflection

If a shape is transformed (rotated, turned, or slid), can it still be congruent? Why?



3a) Write the number of faces and the names of those faces for the three-dimensional shapes below.

	Number of Faces	Names of Faces
Ex:	6	squares
i)		
ii)		
iii)		
iv)		
v)		
vi)		

b) Which shapes above were made using only one kind of plane shape?

c) Which shapes above were made using two different plane shapes?

Reflection

Which plane shapes were most commonly used to make the solid shapes? Why?



9a) Identify the following shape transformations as a reflection (flip), translation (slide), rotation (turn), or enlargement (bigger).

Ex: reflection

i) ii)

iii) iv) v)

vi) vii) viii)

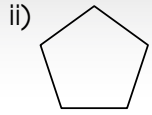
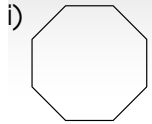
ix) x) xi)

xii) xiii) xiv)

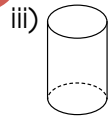
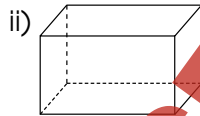
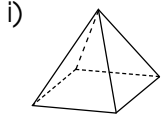


Review A

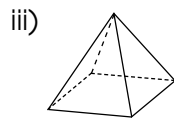
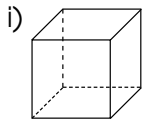
a) Name each shape.



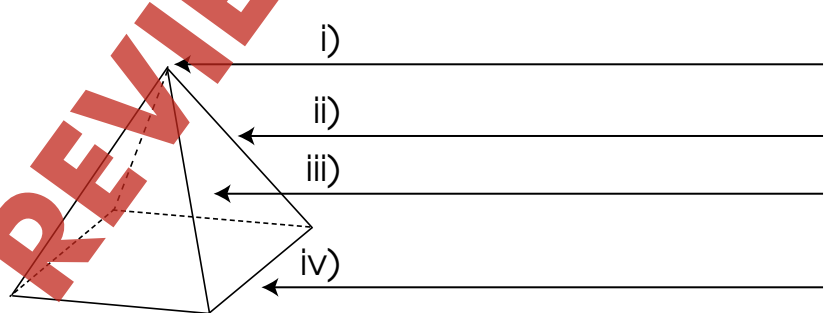
b) Name each solid figure.



c) Identify the faces on each solid figure.

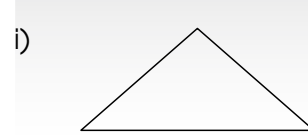


d) Label the parts of the pyramid.

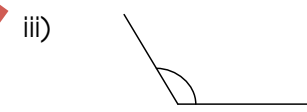
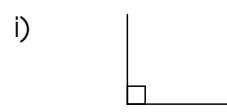


Review B

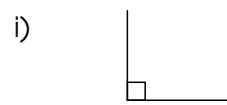
a) Identify each triangle in two ways.



b) Measure each angle.



c) Describe each angle as acute, right, or obtuse.



d) Make a hexagon in three different ways.

i) _____

ii) _____

iii) _____

e) Transform the shape as indicated.

i) Reflection

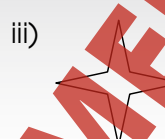
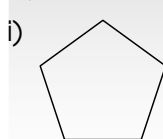
ii) Rotation

iii) Enlargement

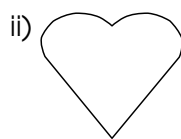


Review C

a) Draw the shape that is congruent.

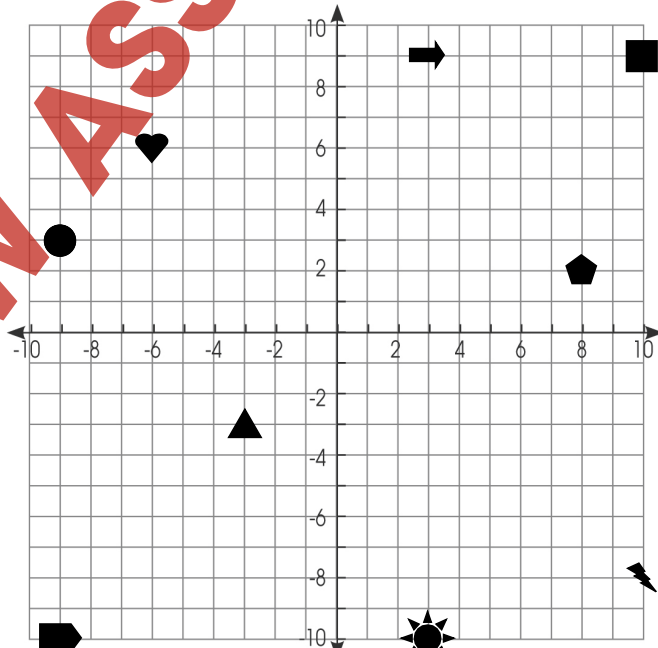


b) Draw the shape that is similar.



c) Identify the coordinates for each item.

	X	Y
i)		
ii)		
iii)		
iv)		
v)		
vi)		
vii)		
viii)		
ix)		



Reflection, Rotation, Translation and Enlargement

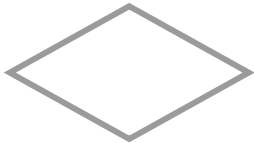
Describe the transformation (reflection, rotation, translation, and enlargement) needed to make the first shape look like the second shape.

	Transformation	Transformation


NAME: _____

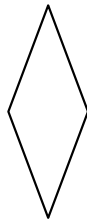


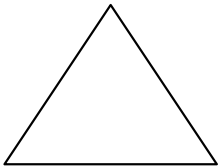
17a) Rotational symmetry is when a shape can be turned and be an exact match of itself.
Orders of rotational symmetry is the number of times a shape can be turned and still be an exact match of itself.
Write down the number of orders of rotational symmetry each shape has below.

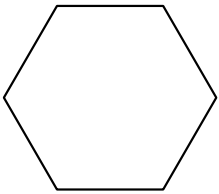
Ex: 

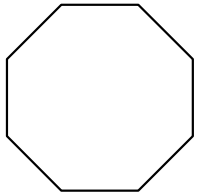
 2

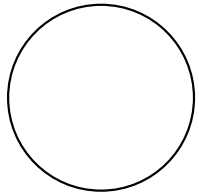
i) 

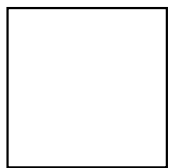
ii) 

iii) 


iv) 

v) 

vi) 

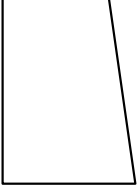
vii) 

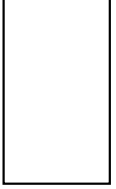
viii) 

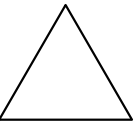
ix) 

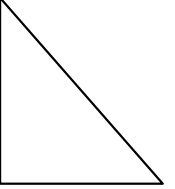
x) 

xi) 

xii) 

xiii) 

xiv) 

xv) 

17.

- a) i) 1 ii) 2 iii) 3
 iv) 6 v) 8 vi) 360
 vii) 4
 viii) 5 ix) 7
 x) 1 xi) 2







Review A

- a) i) octagon
 ii) pentagon
 iii) diamond
 b) i) pyramid
 ii) rectangular prism
 iii) cylinder
 c) i) squares ii) circle
 iii) square, triangles

Review B

- a) i) isosceles, acute
 ii) scalene, right
 b) i) 90 degrees
 ii) 45 degrees
 iii) 120 degrees
 c) i) right angle
 ii) obtuse angle
 iii) acute angle
 d) Answers may vary.
 Sample shapes include 3 rhombuses,
 6 triangles, 3 triangles
 and 1 trapezoid

Review C

- a) i) 
 ii) 
 iii) 
 b) i) 
 ii) 
 iii) 
 c) i) -6, 6 ii) 8, 2
 iii) -3, -3 iv) 10, -8
 v) 3, -10 vi) 3, 9
 vii) -9, -10 viii) -9, 3
 ix) 10, 9

