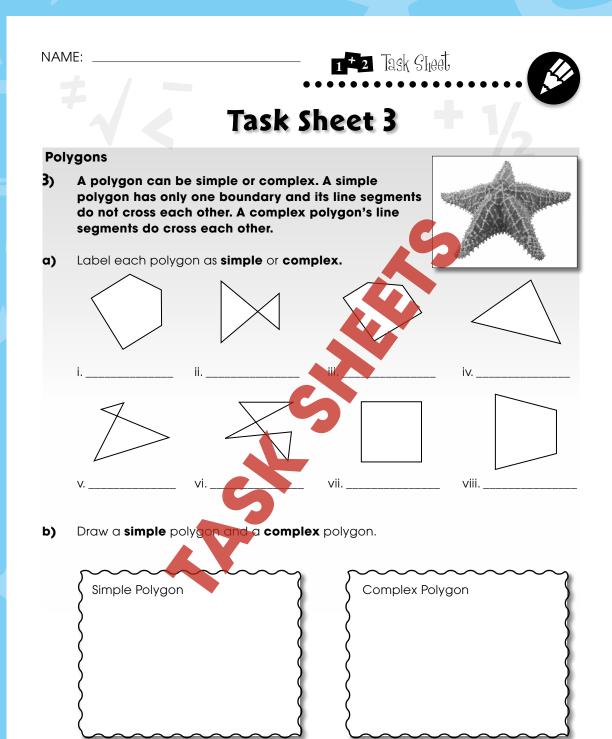
# Contents

	TEACHER GUIDE	
	NCTM Content Standards Assessment Rubric	. 4
	• How Is Our Resource Organized?	. 5
	• The NCTM Principles & Standards	
	STUDENT HANDOUTS	
	• Exercises	
	Task Sheet 1	7
	Task Sheet 2	8
	Task Sheet 3	9
	Task Sheet 4	10
	Task Sheet 5	11
	Task Sheet 6	12
	Task Sheet 7	13
	Task Sheet 8	14
	Task Sheet 9	15
	Task Sheet 10	16
	Task Sheet 11	17
	Task Sheet 12	18
	Task Sheet 13	19
	Task Sheet 14	20
	Task Sheet 15	21
	• Drill Sheets	22
	• Review	24
EZY	EASY MARKING™ ANSWER KEY	27
	MINI DOCTEDO	20

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

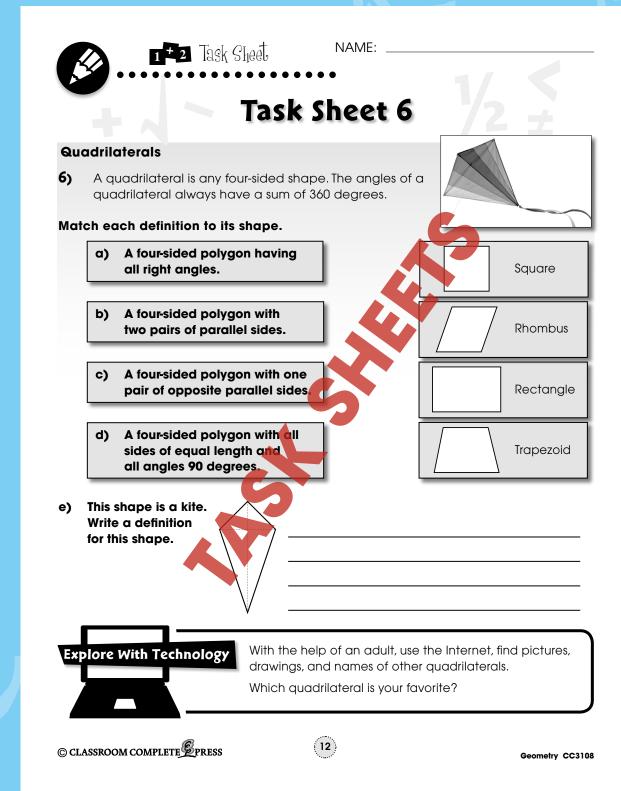
- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC3108
- Enter pass code CC3108D for Activity Pages.

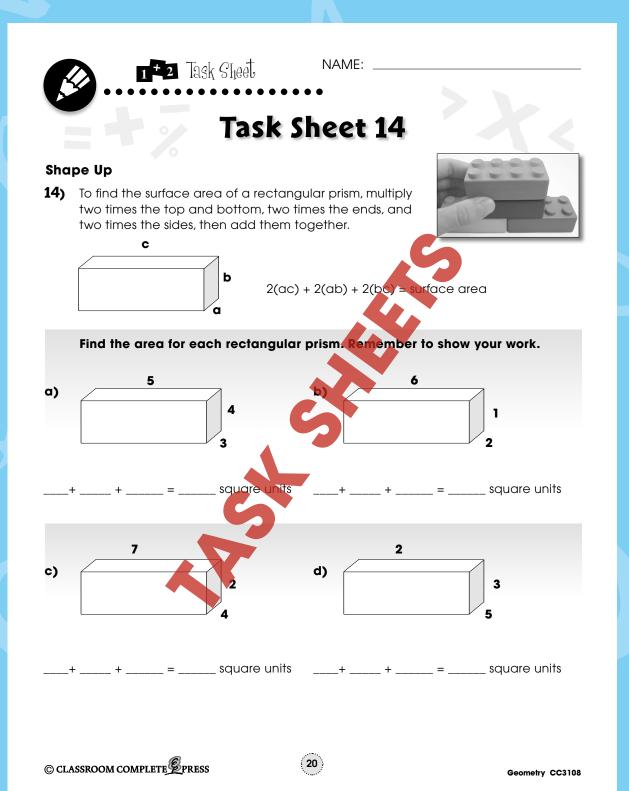


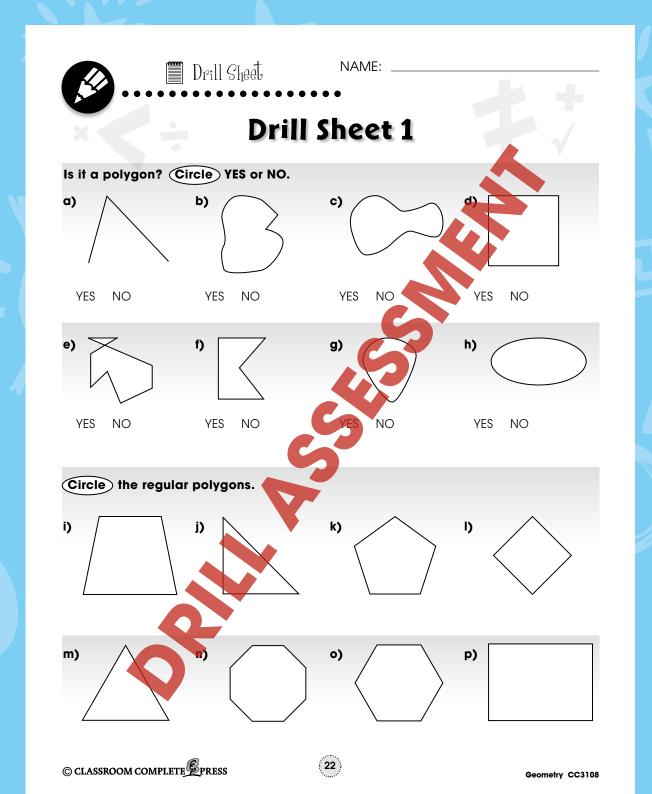


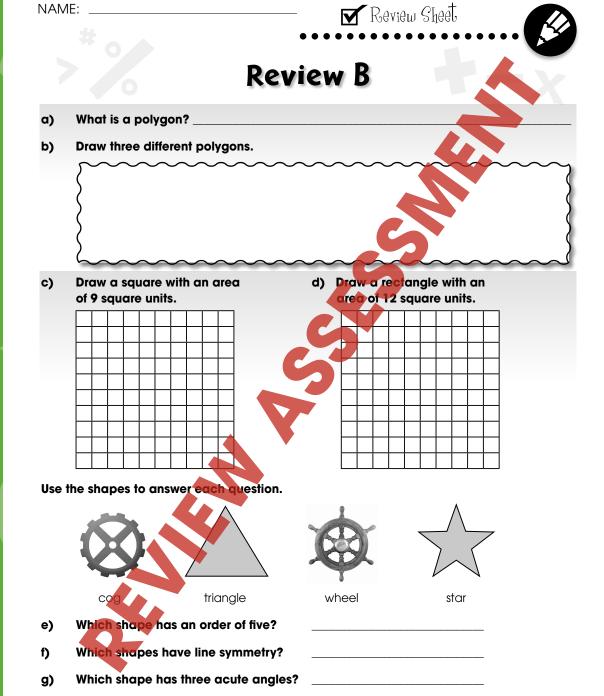
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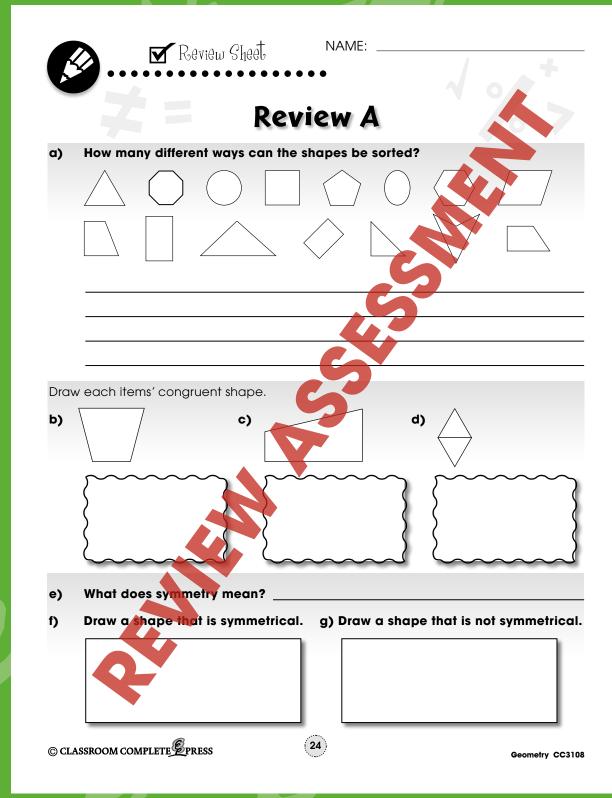






25

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### **Polyhedrons and Platonic Solids**

• • • • • • • • • • • • • • •

Poly means "many"	and <i>hedron</i> means	"face". A polyhe	edron is a solic	with only flat
faces.				

Circle the solid shapes that are polyhedrons.















There are five platonic solids. To figure out if a shape is a platonic solid, add the number of faces(F) and vertices (V), and subtract the number of edges (E). If the answer is two, the figure is a platonic solid. F + V - E = 2

Shape	Faces	Vertices (V)	Edges (E)	F+V+E =	Is it a Platonic Solid?
Dodecahedron					
Octahedron					
Cube					
Tetrahedron (Triangular Pyramid)					
Icosahedron					

Geometry CC3108



NAME:	

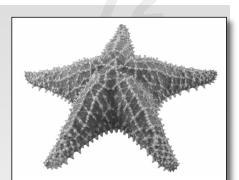




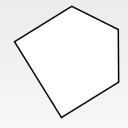
## Task Sheet 3

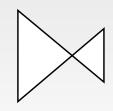
#### **Polygons**

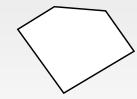
A polygon can be simple or complex. A simple polygon has only one boundary and its line segments do not cross each other. A complex polygon's line segments do cross each other.

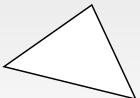


Label each polygon as simple or complex.





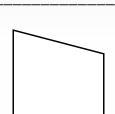


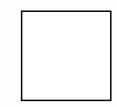


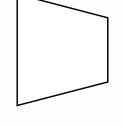




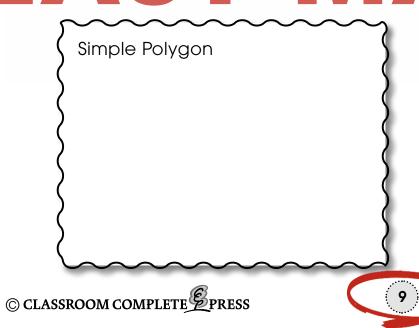








vii.



Complex Polygon

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i) Simple

ii) Complex

iii) Simple

iv) Simple

Complex

vi) Complex

vii) Simple

viii) Simple

a) i) Equilateral ii) Isosceles iii) Scalene

v) Scalene vi) Scalene vii) Isosceles

viii) Equilateral

iv) Isosceles

**b)** Answers may vary. Triangles should abide by the scalene rule.

c) Answers may vary. Triangles should abide by the isosceles rule.

10

5.

a) Acute

**b)** Right

**b)** Answers may vary. Both polygons should abide by the simple and complex rule.



e) Right f) Acute g) Obtuse

> h) Obtuse i) Acute

> > $\langle 11 \rangle$

a) Rectangle

**b)** Rhombus

c) Trapezoid

**d)** Square

includes: A kite has four sides. Opposite sides are the same in length. It has one pair of short sides and one pair of long sides.

12

**a)**  $1 \times 4 =$ 4 square units

**b)** 4 x 4 = 16 square units

**c)** 3 x 3 = 9 square units

**d)** 8 x 6 = 48 square units

**e)** 8 x 8 = 64 square units

**g)** 8 x 5 = 40 square units

