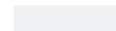


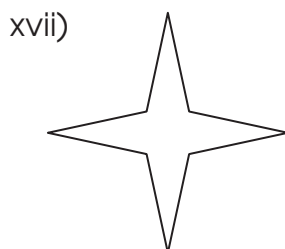
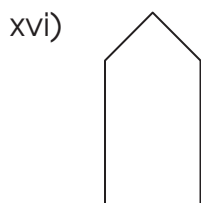
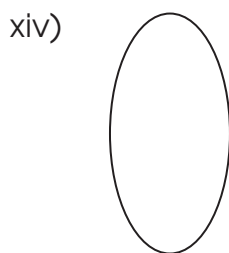
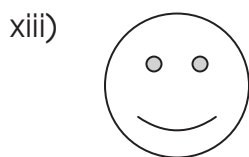
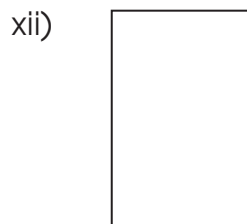
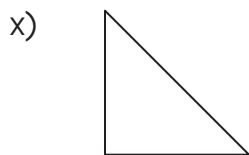
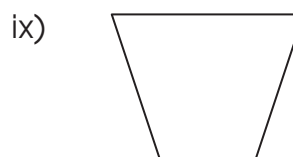
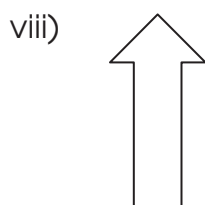
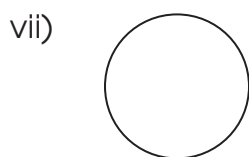
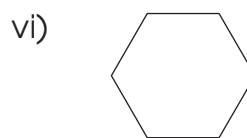
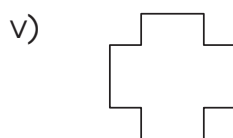
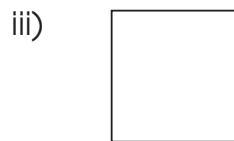
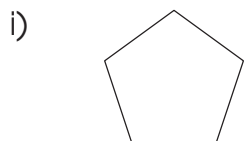
NAME: _____



Activity One



a) Two shapes are congruent if they are the same size and the same shape. Draw the congruent shape for the following shapes.

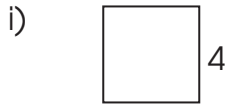


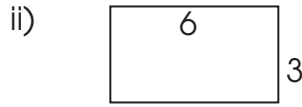
NAME: _____

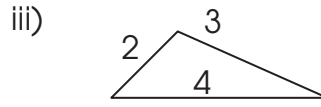


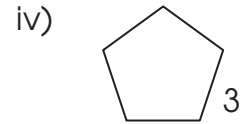
Activity Two

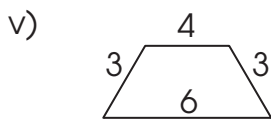
a) Find the perimeter of each shape. Add the sides together to find the perimeter.

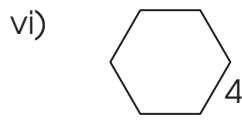


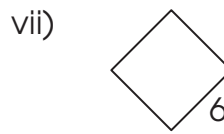


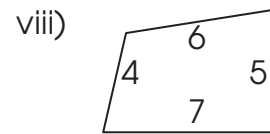












b) Draw 4 different rectangles with perimeters of 24 units.

i)

ii)

iii)

iv)

c) Draw 4 different triangles with perimeters of 15 units.

i)

ii)

iii)

iv)

d) Draw 4 different trapezoids with perimeters of 20 units.

i)

ii)

iii)

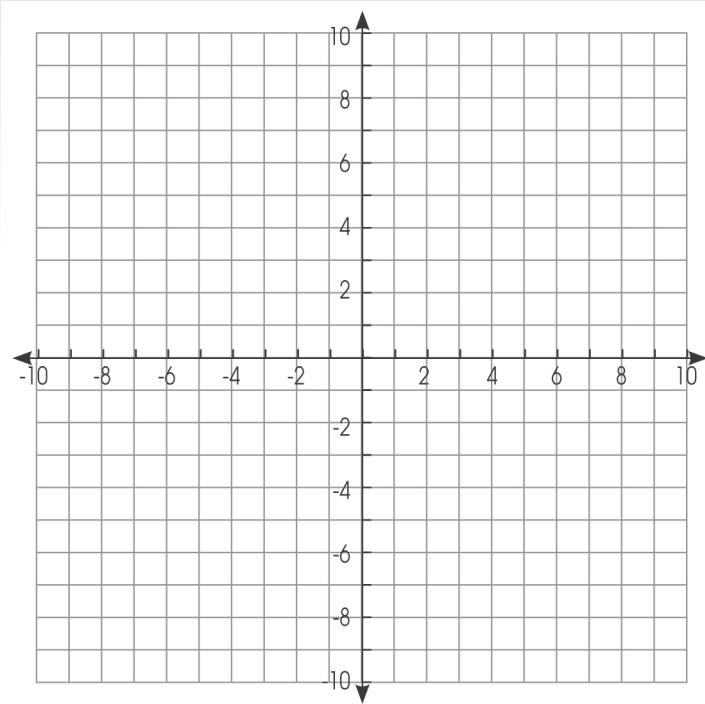
iv)

NAME: _____



Activity Three

a) Draw a different shape in each quadrant. Write the coordinates for each shape in the chart below.



Shape 1

X	Y

Shape 2

X	Y

Shape 3

X	Y

Shape 4

X	Y

NAME: _____



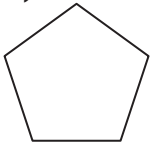
Activity Four

a) Transform each shape.

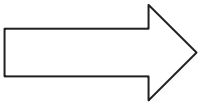
i) 90° Rotation



iii) 180° Rotation



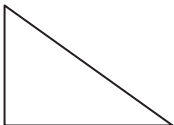
v) Horizontal Reflection



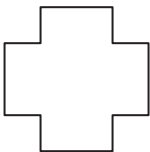
vii) Vertical Reflection



ix) 90° Rotation



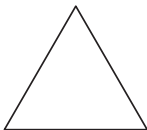
xi) Translation



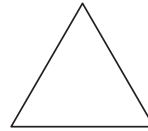
xiii) 90° Rotation



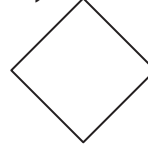
xv) 90° Rotation



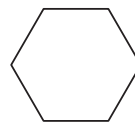
ii) Translation



iv) Horizontal Reflection



vi) 90° Rotation



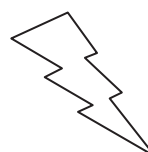
viii) Vertical Reflection



x) Horizontal Reflection



xii) Horizontal Reflection



xiv) Translation



xvi) Vertical Reflection

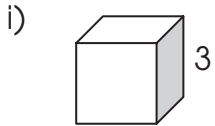


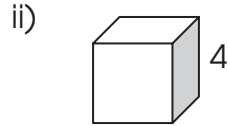


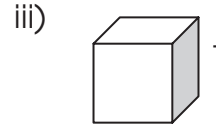
Activity Five

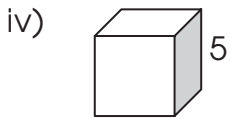
a) Find the surface area for each cube.

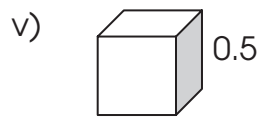
Formula: $6a^2$ ($a = \text{side}$)

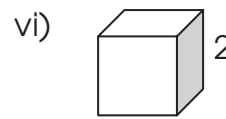






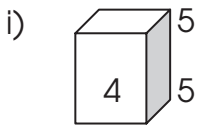


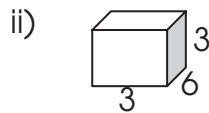


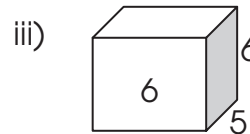


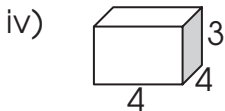
b) Find the surface area for each rectangular prism.

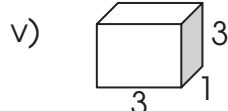
Formula: $2ab + 2bc + 2ac$ ($abc = \text{height, width, length}$)

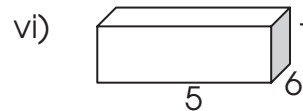






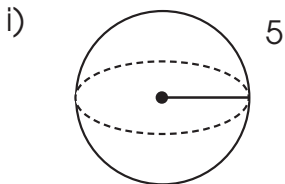


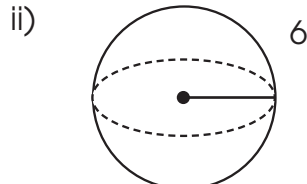


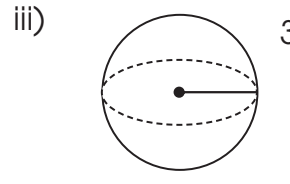


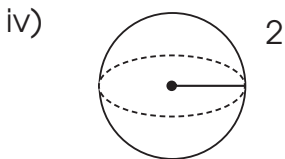
c) Find the surface area for each sphere.

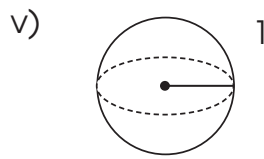
Formula: $4\pi r^2$ ($\pi = 3.14$)

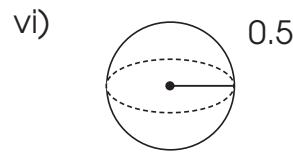












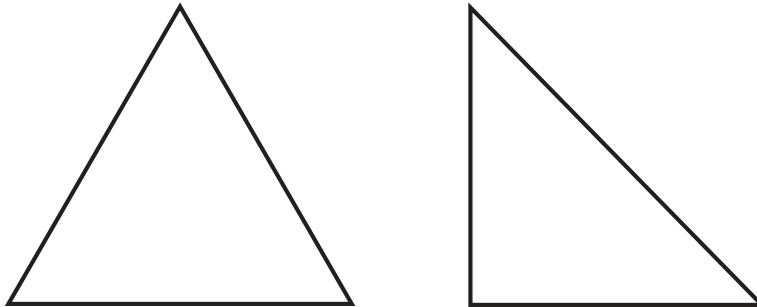
NAME: _____



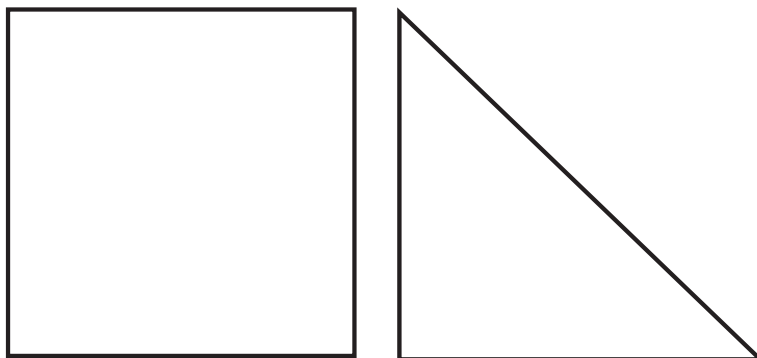
\times $\frac{1}{2}$

Activity Six

- a) How many different shapes can you make using the two triangles below? Label each shape you make. (Trace the triangles onto another sheet of paper and cut them out. Use them as tracing patterns to make the different shapes.)



- b) How many different shapes can you make using the square and triangle below? Label each shape you make. (Trace the triangles onto another sheet of paper and cut them out. Use them as tracing patterns to make the different shapes.)



1.

a)

Check to make sure the student drew the congruent shape.

1A

2.

a)

- i) 16 units ii) 18 units
- iii) 9 units iv) 15 units
- v) 16 units vi) 24 units
- vii) 24 units viii) 22 units

b)

Make sure the student drew rectangles with sides equaling to 24 units.

2A

3.


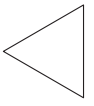




a)

Check to make sure the student wrote the correct coordinates for each shape.

3A

4.

a)

- i) 
- ii) 
- iii) 
- iv) 
- v) 
- vi) 

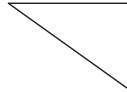
vii)



viii)



ix)



x)



xi)



xii)



xiii)



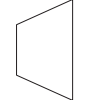
xiv)



xv)



xvi)



4A

5.

a)

- i) 54 units squared
- ii) 96 units squared
- iii) 6 units squared
- iv) 150 units squared
- v) 1.5 units squared
- vi) 24 units squared

b)

- i) 130 units squared
- ii) 90 units squared
- iii) 192 units squared
- iv) 80 units squared
- v) 30 units squared
- vi) 82 units squared

c)

- i) 314 units squared
- ii) 452.16 units squared
- iii) 113.04 units squared
- iv) 50.24 units squared
- v) 12.56 units squared
- vi) 3.14 units squared

5A

6.

a)

Shapes will vary.

b)

Shapes will vary.

6A



(these answers are for the 6 free bonus pages, see page 3 for download instructions)