Contents

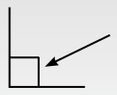
Contents

1+2 Task Sheet NAME: _____

Task Sheet 2

Angles on a Quadrilateral

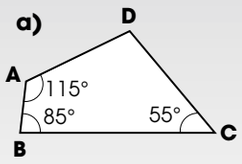
2) A quadrilateral is any four-sided shape. The sum of the angles on a quadrilateral equals 360°.



Symbol of a right angle (90°)

Identify any right angles on each shape. Then, find the missing angle on each quadrilateral.

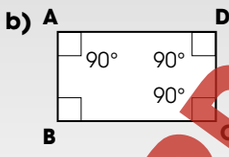
a)



_____

_____

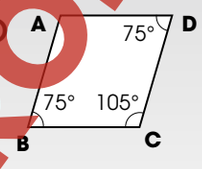
b)



_____

_____

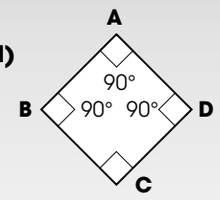
c)



_____

_____

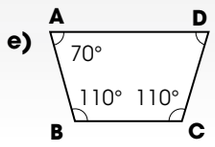
d)



_____

_____

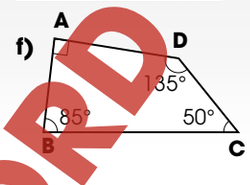
e)



_____

_____

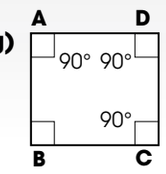
f)



_____

_____

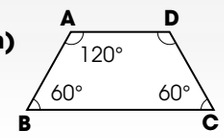
g)



_____

_____

h)



_____

_____

Reflection

What do you notice about the angles on a rectangle and a square?

_____

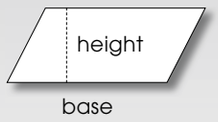
_____

1+2 Task Sheet NAME: _____

Task Sheet 4

Area of a Parallelogram

4) To find the area of a parallelogram, multiply the base by its height. **Area = base x height**

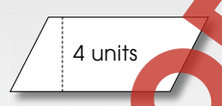


Find the area of the parallelograms below.

a)

_____ square units

b)

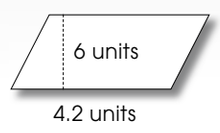


_____ square units

c)

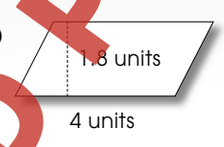
_____ square units

d)



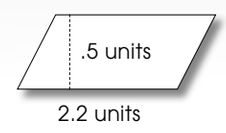
_____ square units

e)



_____ square units

f)



_____ square units

g) Which parallelogram has the greatest area? _____

h) Which parallelogram has the smallest area? _____

Explore With Technology

With the help of an adult, use the Internet to find information about parallelograms.

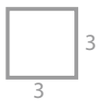
Draw and label the parts of a parallelogram.

NAME: _____ Timed Drill Sheet # 3

Minutes

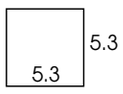
5a) Find the area of each quadrilateral.

Formula: Area = base x height

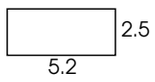
Ex: 

base = 3 Area = 3 × 3

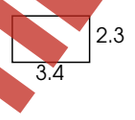
height = 3 Area = 9 units squared

i) 

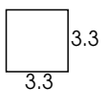
Area = _____

ii) 

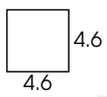
Area = _____

iii) 

Area = _____

iv) 

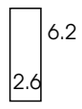
Area = _____

v) 

Area = _____

vi) 

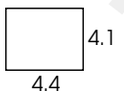
Area = _____

vii) 

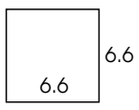
Area = _____

viii) 

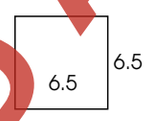
Area = _____

ix) 

Area = _____

x) 

Area = _____

xi) 

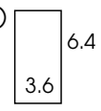
Area = _____

xii) 

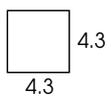
Area = _____

xiii) 

Area = _____

xiv) 

Area = _____

xv) 

Area = _____

Explore With Technology

With the help of an adult, use the Internet to find Web Sites that find the area of different and unusual shapes. What unusual shapes did you find? How does the formula to find the area compare to that of squares and rectangles?

NAME: _____ Warm-Up Drill Sheet # 5

13a) Identify each type of line as a line, line segment, or ray.

Line: a straight line that goes on forever in both directions

Line segment: part of a line that has two endpoints

Ray: a straight line that goes on forever in one direction

i) _____

ii) _____

iii) _____

b) Identify each pair of lines below as parallel, perpendicular, skew, or intersecting.

Parallel: lines that maintain the same distance apart and never cross

Perpendicular: lines that cross at a 90° angle

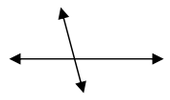
Skew: lines that are not parallel and never cross

Intersecting: lines that cross, but not at a 90° angle

Ex: 

parallel

iii) 

vi) 

i)

iv)

vii)

ii)

v)

viii)

c) Draw the following types of lines.

Ex: Parallel

i) Intersecting

ii) Skew

iii) Perpendicular

iv) Skew

v) Parallel

vi) Intersecting

vii) Perpendicular

viii) Intersecting

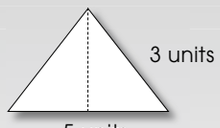
NAME: _____

Drill Sheet

Drill Sheet 2

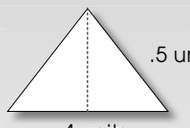
Find the area of each triangle below.

a)



_____ square units

b)

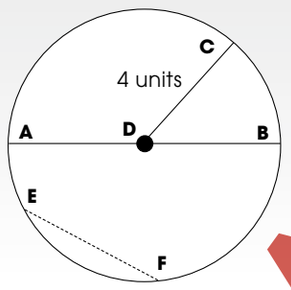


_____ square units

c)

_____ square units

Use the circle to answer the questions.



d) Which line segment is the diameter? _____

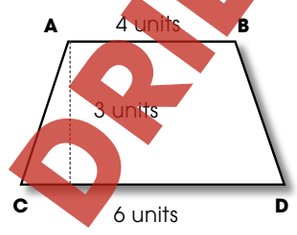
e) Which line segment is the chord? _____

f) Which line segment is the radius? _____

g) What is the area of the circle? _____

h) What is the diameter of the circle? _____

Use the shape below to answer the questions.



i) What is the name of this shape? _____

j) Which two lines are parallel? _____

k) What is the height of the trapezoid? _____

l) What is the area of the trapezoid? _____

Review Sheet

NAME: _____

Review A

a) Draw each angle.

i) 90° **ii) 35°** **iii) 150°**

b) What is an acute angle? _____

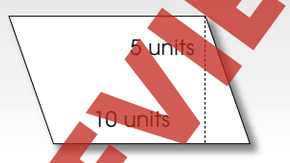
c) What is a right angle? _____

d) What is an obtuse angle? _____

e) Label all the right angle(s) in each shape below.

i) ii) iii)

f) Find the area of the parallelogram below.



_____ square units

g) Name the two ways of describing a triangle.

_____

_____

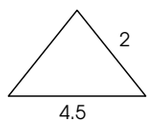
NAME: _____

Review Sheet

Review B

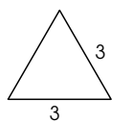
a) Find the area of each triangle.

i)



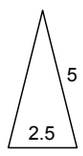
Area = _____

ii)



Area = _____

iii)



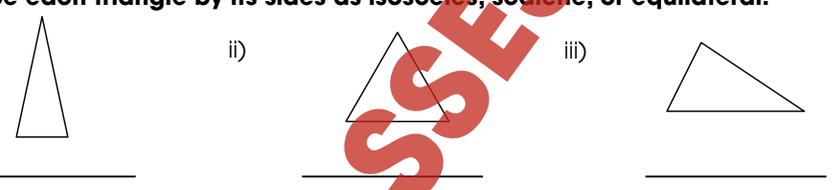
Area = _____

iv)

Area = _____

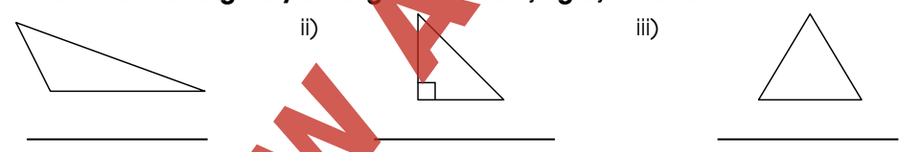
b) Describe each triangle by its sides as isosceles, scalene, or equilateral.

i) _____ ii) _____ iii) _____



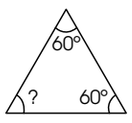
c) Describe each triangle by its angles as acute, right, or obtuse.

i) _____ ii) _____ iii) _____



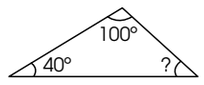
d) Find the missing angle.

i)



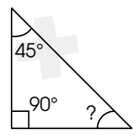
The missing angle is _____ °

ii)



The missing angle is _____ °

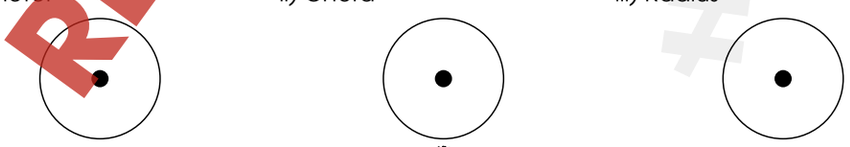
iii)



The missing angle is _____ °

e) Draw the line on each circle.

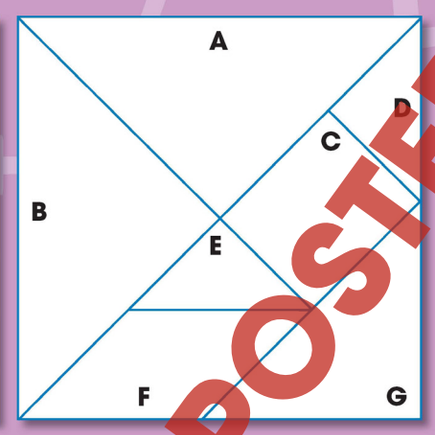
i) Diameter ii) Chord iii) Radius

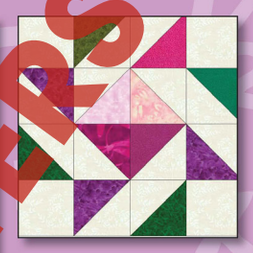


Tangrams

a) Label the shape of each tangram piece.

A	
B	
C	
D	
E	
F	
G	





b) Cut apart the seven tangram pieces. Use two or more pieces to create the following shapes. Indicate the individual shapes/pieces used to create each shape.

Trapezoid	
Parallelogram	
Rectangle	
Square	
Triangle	

NAME: _____

Timed Drill Sheet # 7

Minutes

11a) Find the area of each circle.

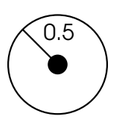
Formula: Area = πr^2 ($\pi = 3.14$)

Ex: 

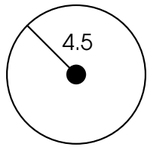
Radius (r) = 2

Area = 3.14 $(2)^2$

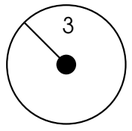
Area = 12.56 units squared

i) 

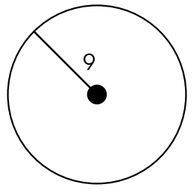
Area = _____

ii) 

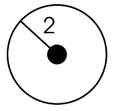
Area = _____

iii) 

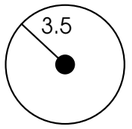
Area = _____

iv) 

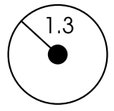
Area = _____

iv) 

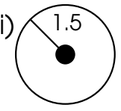
Area = _____

vi) 

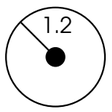
Area = _____

vii) 

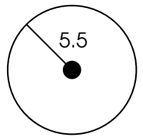
Area = _____

viii) 

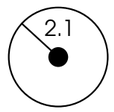
Area = _____

ix) 

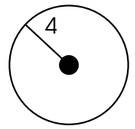
Area = _____

x) 

Area = _____

xi) 

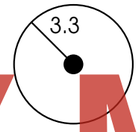
Area = _____

xii) 

Area = _____

xiii) 

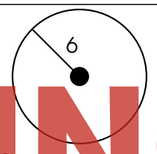
Area = _____

xiv) 

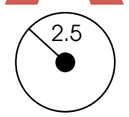
Area = _____

xv) 

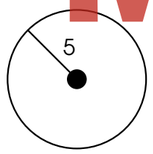
Area = _____

xvi) 

Area = _____

xvii) 

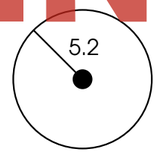
Area = _____

xviii) 

Area = _____

xix) 

Area = _____

xv) 

Area = _____

Reflection

If you did not know the radius of a circle, how else could you find the area of a circle? _____

_____

EASY MARKING ANSWER KEY

11.

a)

i) 0.785 units squared
ii) 63.585 units squared
iii) 28.26 units squared
iv) 254.34 units squared
v) 12.56 units squared
vi) 38.465 units squared
vii) 5.3066 units squared
viii) 7.065 units squared
ix) 4.5216 units squared
x) 74.985 units squared
xi) 13.8474 units squared
xii) 50.24 units squared
xiii) 15.1976 units squared
xiv) 34.1946 units squared
xv) 52.7834 units squared
xvi) 113.04 units squares
xvii) 19.625 units squared
xviii) 78.5 units squared
xix) 3.14 units squared
xx) 84.9056 units squared

39

12.

a)

i) 1.91 units
ii) 10 units
iii) 3.19 units
iv) 3.82 units
v) 8 units

b)

i) 1.5 units
ii) 2 units
iii) 2.5 units
iv) 1 unit
v) 1.65 units
vi) 2.05 units

c)

i) 6.28 units
ii) 18.84 units
iii) 25.12 units
iv) 6.28 units
v) 18.84 units
vi) 31.4 units

40

13.

a)

i) line
ii) ray
iii) line segment

b)

i) intersecting
ii) perpendicular
iii) skew
iv) perpendicular
v) parallel
vi) intersecting
vii) skew
viii) intersecting

c)

Check to make sure the student drew the correct lines.

41

14.

EZ

a)

i) ray ii) line
iii) line segment
iv) line
v) line segment
vi) ray vii) line
viii) line segment
ix) line segment
x) line
xi) line segment
xii) ray
xiii) ray xiv) line
xv) ray
xvi) line segment
xvii) line
xviii) line segment
xix) ray
xx) line segment

42