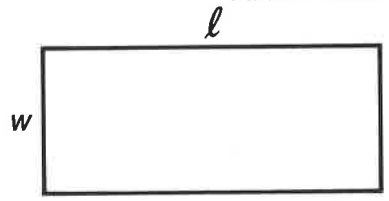
Using Formulas

Name _____

Date _____ Period _____

AREA AND PERIMETER OF A RECTANGLE



ℓ = length w = width

A = area P = perimeter

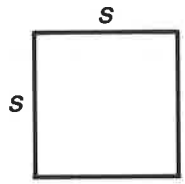
$A = \ell w$ $P = 2(\ell + w)$

Find the areas and perimeters of the rectangles given in the tables below.

	ℓ	w	A	P
1.	5	15	75	40
3.	10	100		
5.	150	250		

	ℓ	w	A	P
2.	7	62		
4.	100	200		
6.	75	145		

AREA AND PERIMETER OF A SQUARE



s = side

A = area P = perimeter

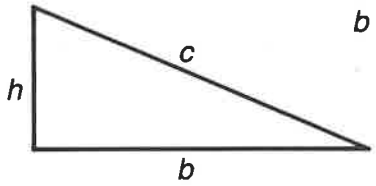
$A = s \times s$ $P = 4s$

Find the areas and perimeters for squares given in the tables below.

	s	A	P
7.	5		
9.	10		
11.	77		

	s	A	P
8.	7		
10.	26		
12.	52		

AREA AND PERIMETER OF A RIGHT TRIANGLE



b = base h = height c = hypotenuse

A = area P = perimeter

$A = \frac{1}{2}bh$ $P = b + h + c$

Find the areas and perimeters for right triangles given in the tables below.

	b	h	c	A	P
13.	3	4	5		
15.	8	15	17		
17.	10	24	26		

	b	h	c	A	P
14.	5	12	13		
16.	11	29	31		
18.	7	24	25		

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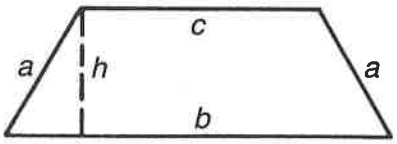
AREA AND PERIMETER OF AN ISOSCELES TRAPEZOID



A = area $\quad A = \frac{h}{2}(b + c)$

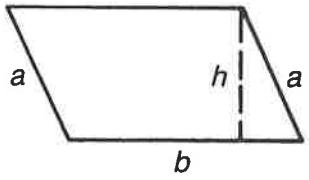
P = perimeter $\quad P = 2a + b + c$

Find the areas and perimeters of the trapezoids given in the tables below.

	a	b	c	h	A	P
1.	5	10	4	4	28	24
3.	15	28	10	12		
5.	25	46	16	20		

	a	b	c	h	A	P
2.	10	20	8	8		
4.	20	36	12	16		
6.	17	23	19	12		

AREA AND PERIMETER OF A PARALLELOGRAM



A = area $\quad A = bh$

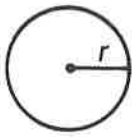
P = perimeter $\quad P = 2(a + b)$

Find the areas and perimeters for parallelograms given in the tables below.

	a	b	h	A	P
7.	2	5	1		
9.	5	8	4		
11.	6	12	4		

	a	b	h	A	P
8.	4	7	3		
10.	7	10	5		
12.	15	18	11		

AREA AND CIRCUMFERENCE OF A CIRCLE



r = radius $\quad \pi$ = pi

A = area $\quad A = \pi \cdot r \cdot r$

C = circumference $\quad C = 2\pi r$

Find the areas and circumferences for circles given in the tables below.

	r	A	C
13.	7		
15.	14		
17.	3.5		

	r	A	C
14.	21		
16.	28		
18.	5.6		