## Area of a trapezoid

Name:		Solve the problems.	Date:
	ne trapezoid in inche t of a trapezoid is 6 f	es, if the lengths of the paral	lel bases are 10 inches and 12
	ea of the trapezoid, if e bases of a trapezoi		e between the bases is 15 feet
_	rallel bases and the ea of the trapezoid in		vards and 36 inches respectively
•		es and 6 feet, what is the are etween the bases of a trapez	•
A trapezoid has ar	in area of $\frac{19}{2}$ square is $\frac{5}{4}$ inches, then fire	inches. If the height of the tr	rapezoid is 4 inches and one of
		The bases of a trapezoid is $\frac{4}{3}$ rapezoid is 2 square feet, fin	feet and one of the bases and the length of the other base.
	ses and the height o	f a trapezoid are 7.9 meter a	and 3.8 meter respectively.
-		height of a trapezoid are 8.8 e trapezoid in square yards.	
The perpendicular are 36.8 inches an	r distance between t	the bases of a trapezoid is 5.	.4 feet. If the lengths of the base:

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	Name: Date:
1)	Solve the problems.
1)	Find the area of the trapezoid in inches, if the lengths of the parallel bases are 10 inches and 12 inches then height of a trapezoid is 6 feet.
	792 square inches
2)	Determine the area of the trapezoid, if the perpendicular distance between the bases is 15 feet and the sum of the bases of a trapezoid is 17 feet.
	127.5 square feet
3)	The sum of the parallel bases and the height of a trapezoid are 8 yards and 36 inches respectively. Determine the area of the trapezoid in square yards.
	4 square yards
4)	If the lengths of the bases are 62 inches and 6 feet, what is the area of a trapezoid in square inches? The perpendicular distance between the bases of a trapezoid is 5 feet.
	4,020 square inches
5)	A trapezoid has an area of $\frac{19}{2}$ square inches. If the height of the trapezoid is 4 inches and one of
	the parallel bases is $\frac{5}{4}$ inches, then find the other base?
	$\frac{7}{2}$ inches
5)	The perpendicular distance between the bases of a trapezoid is $\frac{4}{3}$ feet and one of the bases
	measures $1\frac{1}{5}$ feet. If the area of the trapezoid is 2 square feet, find the length of the other base.
	9 feet 
7)	The sum of the bases and the height of a trapezoid are 7.9 meter and 3.8 meter respectively. Determine the area of the trapezoid?
	15.01 square meters
3)	The sum of the parallel bases and the height of a trapezoid are 8.8 yards and 53 inches respectively. Determine the area of the trapezoid in square yards?
	6.47 square yards
9)	The perpendicular distance between the bases of a trapezoid is 5.4 feet. If the lengths of the bases are 36.8 inches and 34.6 inches, what is the area of a trapezoid in square inches?
	2313.36 square inches