GRADE 10 ESSENTIAL
UNIT D - GEOMETRY
AREA PARALLELOGRAMS

A = b•h MrF

Name:_____
Date: _____

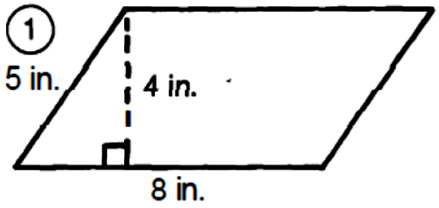
Show work

What Happened to Mr. Meter When Mrs. Meter's Mother Flew in for a Visit?

Cross out the box containing each correct answer. ***When you finish****, write the letters from the remaining boxes in the spaces at the end.*

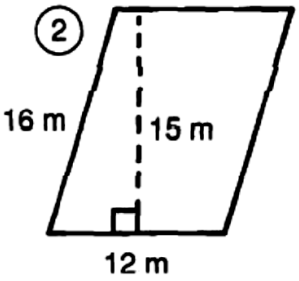
I. Find the PERIMETER *and* the AREA of each parallelogram.

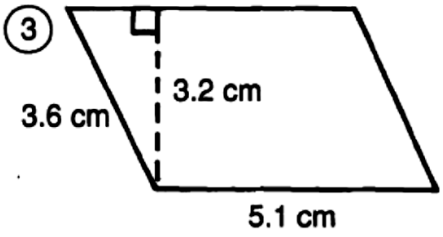
P A

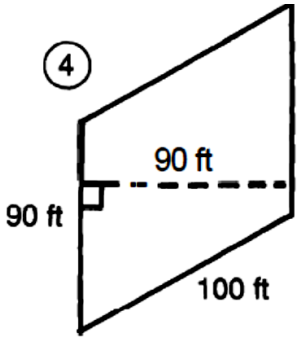
1


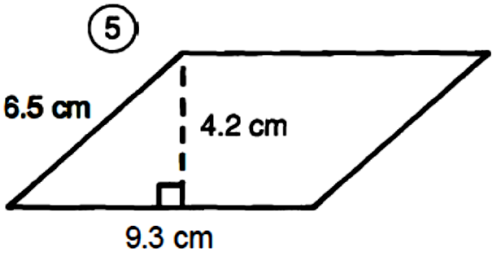
P = 8·2 + 5·2 = 26in

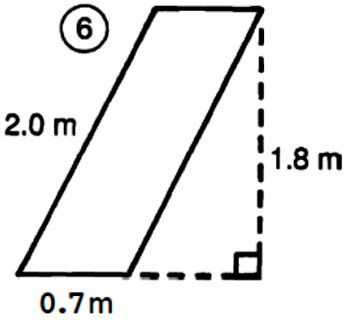
A = b•h = 8in · 4in
= 32 in²

2


3


4


5


6


MrF

II. SOLVE: Draw your own diagram!

(7) The base of a parallelogram is 10 in. The height is 2 in. more than half the base. Find the area.

(8) The height of a parallelogram is 4.5 cm. The base is twice the height. What is the area?

(9) The area of a parallelogram is 60 ft^2. The height is 5 ft. How long is the base?

(10) The area of a parallelogram is 375 cm^2. The base is 25 cm. Find the height.

T 31.6 cm	SH 17.4 cm	HE 33.8 cm	RE 15 cm	E 32 $in.^2$	WE 56 m	WA 1.38 m^2	IT 70 $in.^2$
SC 37.6 cm^2	A 180 m^2	NT 12 ft	EN 18 m	DA 380 ft	RE 1.26 m^2	AL 16.32 cm^2	T 16 ft
PR 5.4 m	IM 350 ft	V 39.06 cm^2	ET 84 $in.^2$	TY 40.5 cm^2	IS 26 in.	ER 6.3 m	IT 8,100 ft^2

Show work! Write formula
Plug in numbers into formula
Then calculate