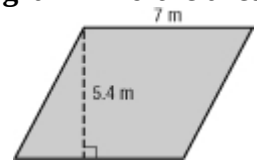
Lesson 11-1

Example 1 Find the Area of a Parallelogram Find the area of the parallelogram.



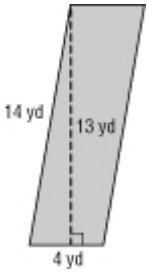
Estimate $A = 7 \cdot 5$ or $35\ m^2$

$A = bh$	Area of a parallelogram
$A = 7 \cdot 5.4$	Replace b with 7 and h with 5.4
$A = 37.8$	Multiply.

The area of the parallelogram is 37.8 square meters.
This is close to the estimate.

Example 2 Find the Area of a Parallelogram

Estimate $A = 4 \cdot 10$ or $40\ yd^2$



$A = bh$	Area of a parallelogram
$A = 4 \cdot 13$	Replace b with 4 and h with 13.
$A = 52$	Multiply.

The area of the parallelogram is 52 square yards.
This is close to the estimate.

Example 3 Find the Area of a Parallelogram
DECORATING An unusual area rug is in the shape of a parallelogram with a base measuring 10.5 feet and height measuring 8.25 feet. What is the area of the rug?

$A = bh$	Area of a parallelogram
$A = 10.5 \cdot 8.25$	Replace b with 10.5 and h with 8.25.
$A = 86.625$	Multiply.

The area of the rug is about 86.6 square feet.