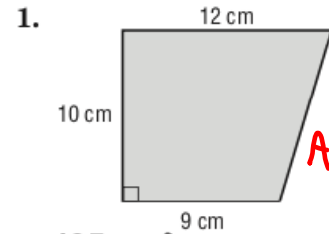


Lesson 3 Skills Practice

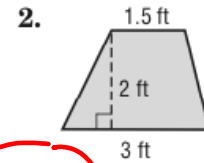
Area of Trapezoids

Find the area of each figure. Round to the nearest tenth if necessary.



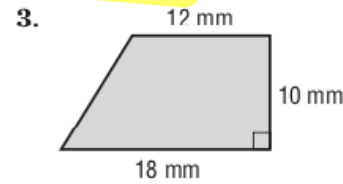
$A = (b_1 + b_2) \times h \div 2$
 $= (12 + 9) \times 10 \div 2 = 105 \text{ cm}^2$

105 cm²

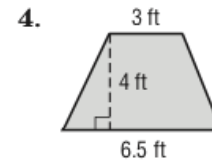


$A = (b_1 + b_2) \times h \div 2$
 $= (1.5 + 3) \times 2 \div 2 = 4.5 \text{ ft}^2$

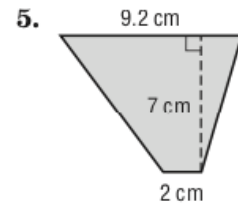
4.5 ft²



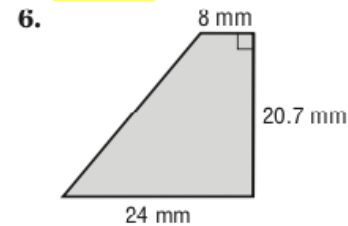
150 mm²



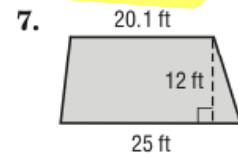
19 ft²



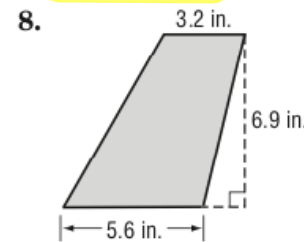
39.2 cm²



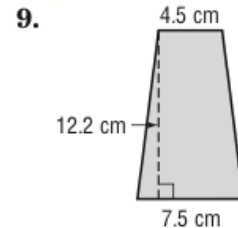
331.2 mm²



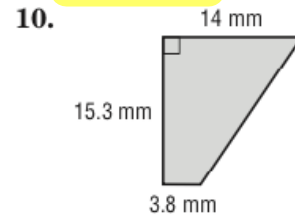
270.6 ft²



30.4 in²



73.2 cm²



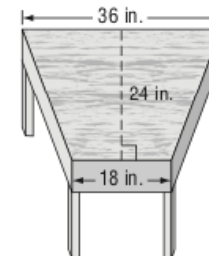
136.2 mm²

11. trapezoid: bases 22.8 mm and 19.7 mm, height 36 mm **765 mm²**

12. trapezoid: bases 5 ft and 3.5 ft, height 7 ft **29.8 ft²**

13. DESKS What is the area of the top of the desk shown at right?

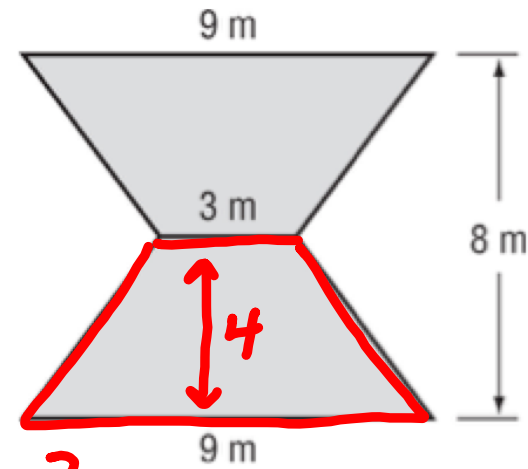
648 in²



$$A = (b_1 + b_2) \times h \div 2$$

Find the area of the figure. It is formed by two congruent trapezoids.

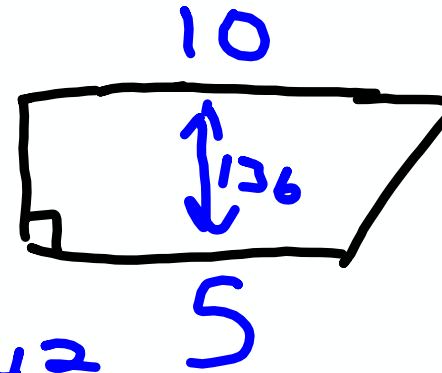
$$\begin{aligned} A &= (b_1 + b_2) \times h \\ &= (9 + 3) \times 4 \\ &= 12 \times 4 = 48 \text{ m}^2 \end{aligned}$$



Draw and label each figure. Then find the area.

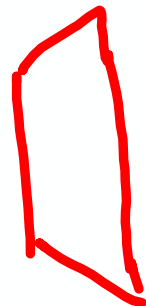
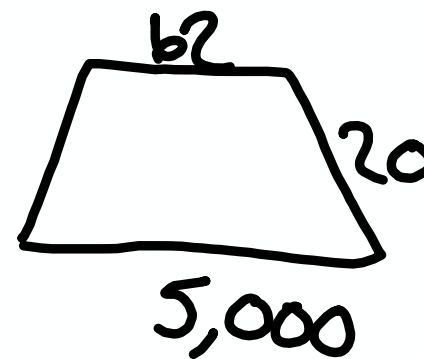
a trapezoid with a right angle and an area greater than 50 square feet

$$\begin{aligned} A &= (b_1 + b_2) \times h \div 2 \\ &= 10 \times 136 \div 2 = 680 \text{ ft}^2 \end{aligned}$$



a trapezoid with no right angles and an area greater than 75 square meters

$$\begin{aligned} A &= (b_1 + b_2) \times h \div 2 \\ &= (62 + 5000) \times 20 \div 2 \\ A &= 50,620 \end{aligned}$$



Welcome to our class

IN THIS CLASSROOM
WE DON'T
give up.
BUT WE DO
give our
best effort

HARD
WORK
PAYS
OFF

W
E
L
C
O
M
E

6th Grade
Homework

Complete HW Practice WS

Video notes

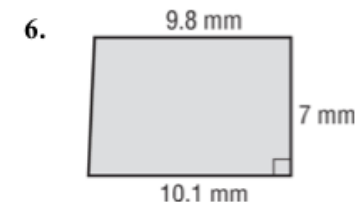
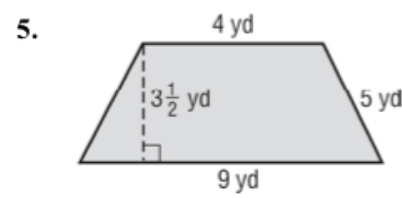
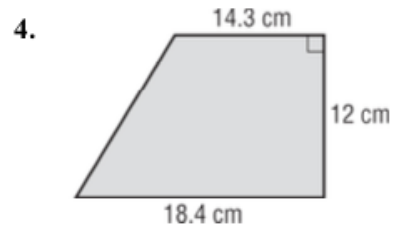
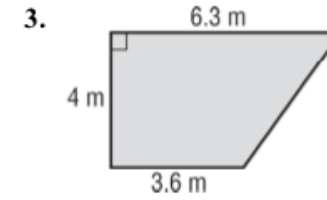
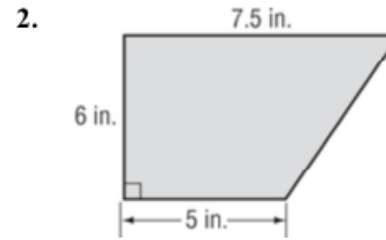
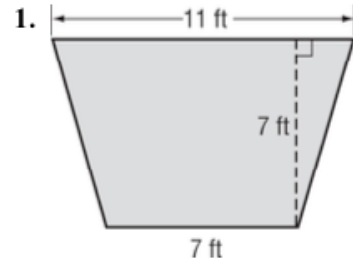
ALEKS time and topics due Monday night



Lesson 3 Homework Practice

Area of Trapezoids

Find the area of each figure. Round to the nearest tenth if necessary.



7. **GEOGRAPHY** The shape of Arkansas is roughly trapezoidal with bases of 475 kilometers and 300 kilometers and a height of 400 kilometers. What is the approximate area of Arkansas?

