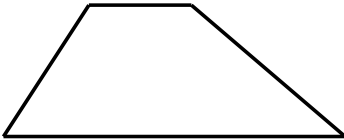


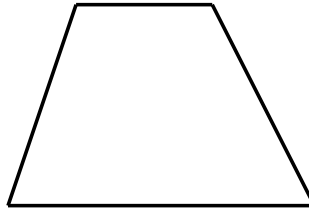
Area of a Trapezoid

Find the area of each trapezoid. Round to the nearest tenth.

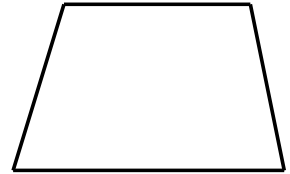
1)



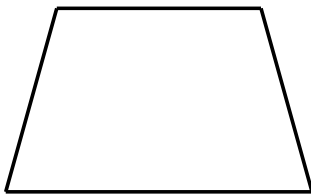
2)



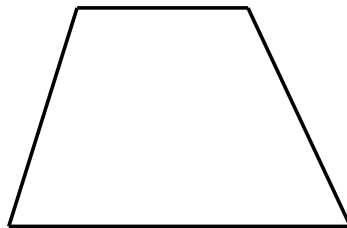
3)



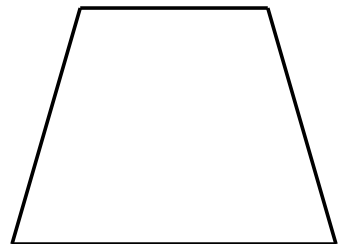
4)



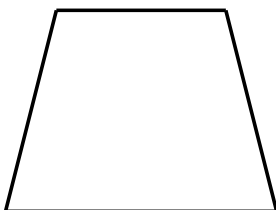
5)



6)



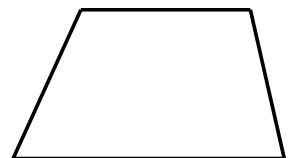
7)



8)



9)

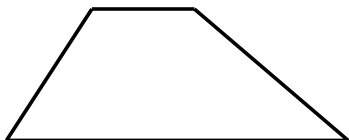


Area of a Trapezoid

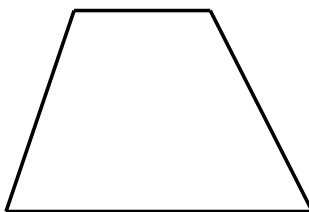
Date _____ Period _____

Find the area of each trapezoid. Round to the nearest tenth.

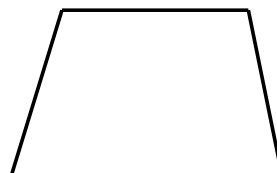
1)

**Answer: 104**

2)

**Answer: 156**

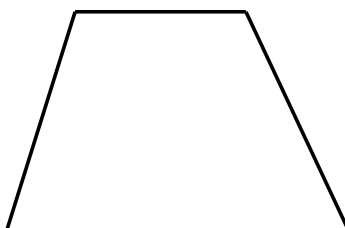
3)

**Answer: 135**

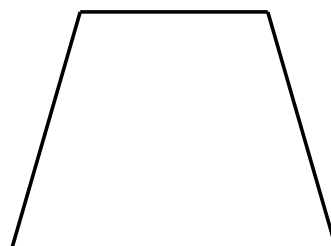
4)

**Answer: 165**

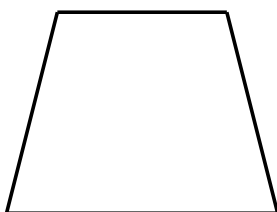
5)

**Answer: 195**

6)

**Answer: 210**

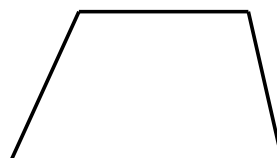
7)

**Answer: 156**

8)

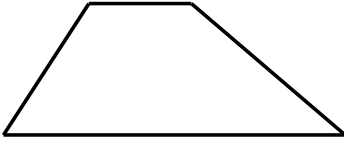
**Answer: 126**

9)

**Answer: 117**

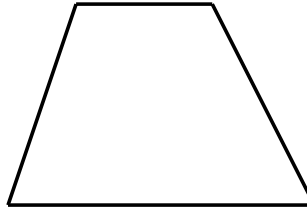
Solution Steps

1)



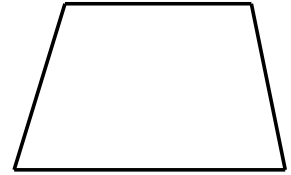
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (6 + 20) * 8 \\ \text{Area} &= \frac{1}{2} * 26 * 8 \\ \text{Area} &= 104 \end{aligned}$$

2)



$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (8 + 18) * 12 \\ \text{Area} &= \frac{1}{2} * 26 * 12 \\ \text{Area} &= 156 \end{aligned}$$

3)



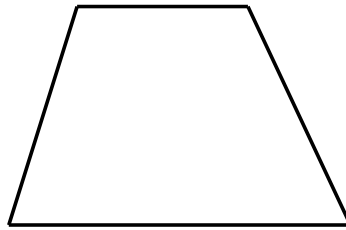
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (11 + 16) * 10 \\ \text{Area} &= \frac{1}{2} * 27 * 10 \\ \text{Area} &= 135 \end{aligned}$$

4)



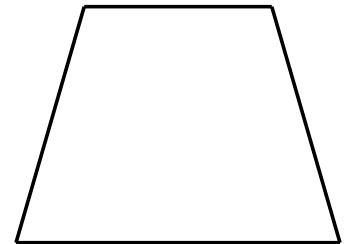
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (12 + 18) * 11 \\ \text{Area} &= \frac{1}{2} * 30 * 11 \\ \text{Area} &= 165 \end{aligned}$$

5)



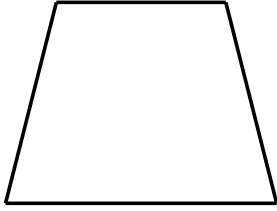
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (10 + 20) * 13 \\ \text{Area} &= \frac{1}{2} * 30 * 13 \\ \text{Area} &= 195 \end{aligned}$$

6)



$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (11 + 19) * 14 \\ \text{Area} &= \frac{1}{2} * 30 * 14 \\ \text{Area} &= 210 \end{aligned}$$

7)



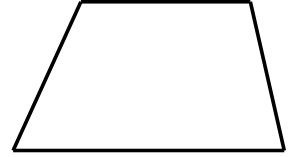
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (10 + 16) * 12 \\ \text{Area} &= \frac{1}{2} * 26 * 12 \\ \text{Area} &= 156 \end{aligned}$$

8)



$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (11 + 17) * 9 \\ \text{Area} &= \frac{1}{2} * 28 * 9 \\ \text{Area} &= 126 \end{aligned}$$

9)



$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (10 + 16) * 9 \\ \text{Area} &= \frac{1}{2} * 26 * 9 \\ \text{Area} &= 117 \end{aligned}$$