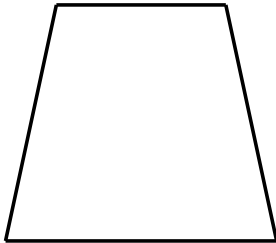


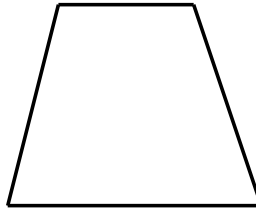
Area of a Trapezoid

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

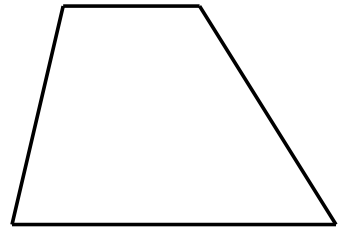
1)



2)



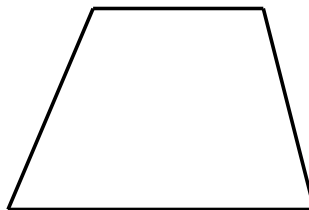
3)



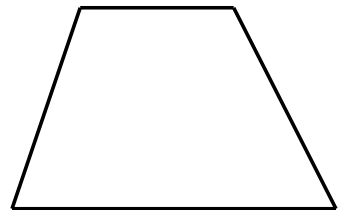
4)



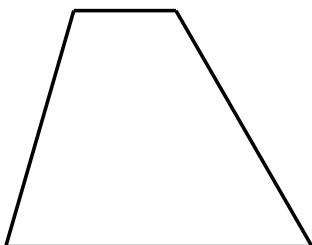
5)



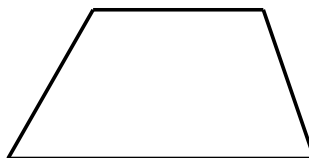
6)



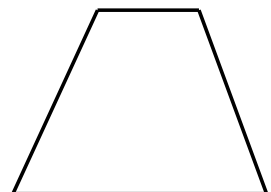
7)



8)



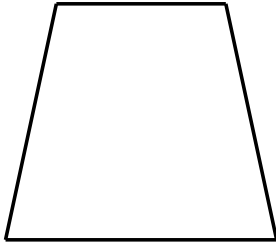
9)



Area of a Trapezoid

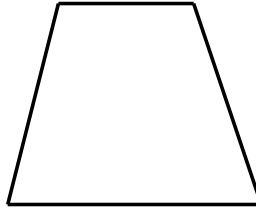
Find the area of each trapezoid. Round to the nearest tenth.

1)



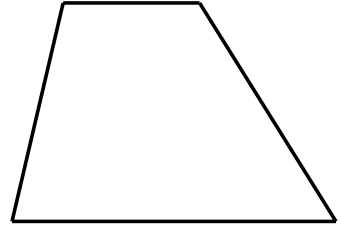
Answer: 182

2)



Answer: 138

3)



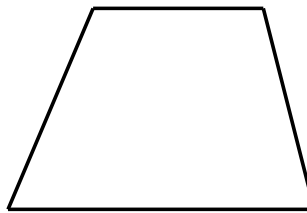
Answer: 175.5

4)



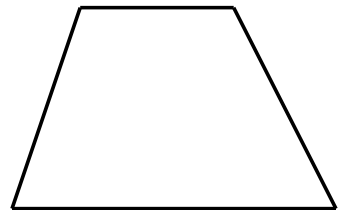
Answer: 145

5)



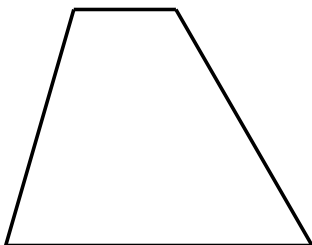
Answer: 168

6)



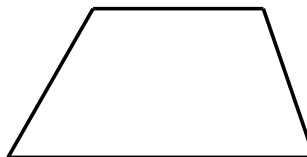
Answer: 168

7)



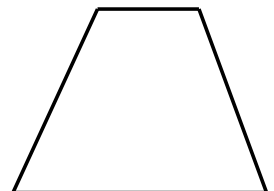
Answer: 168

8)



Answer: 126

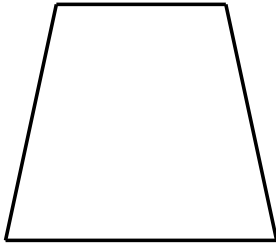
9)



Answer: 115.5

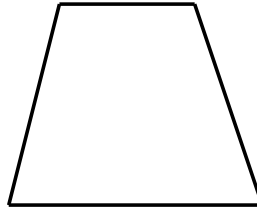
Solution Steps

1)



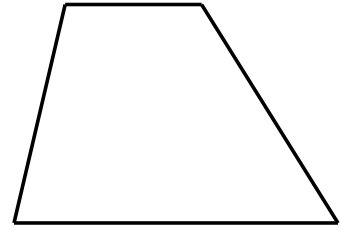
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (10 + 16) * 14 \\ \text{Area} &= \frac{1}{2} * 26 * 14 \\ \text{Area} &= 182 \end{aligned}$$

2)



$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (8 + 15) * 12 \\ \text{Area} &= \frac{1}{2} * 23 * 12 \\ \text{Area} &= 138 \end{aligned}$$

3)



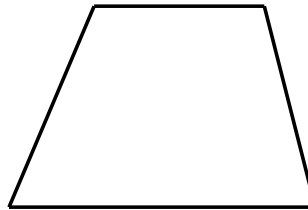
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (8 + 19) * 13 \\ \text{Area} &= \frac{1}{2} * 27 * 13 \\ \text{Area} &= 175.5 \end{aligned}$$

4)



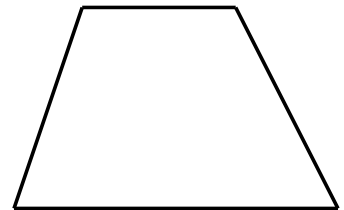
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (11 + 18) * 10 \\ \text{Area} &= \frac{1}{2} * 29 * 10 \\ \text{Area} &= 145 \end{aligned}$$

5)



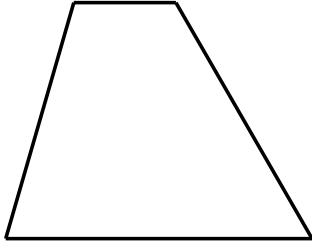
$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (10 + 18) * 12 \\ \text{Area} &= \frac{1}{2} * 28 * 12 \\ \text{Area} &= 168 \end{aligned}$$

6)



$$\begin{aligned} \text{Area} &= \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height} \\ \text{Area} &= \frac{1}{2} * (9 + 19) * 12 \\ \text{Area} &= \frac{1}{2} * 28 * 12 \\ \text{Area} &= 168 \end{aligned}$$

7)



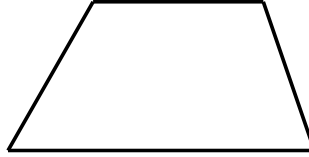
$$\text{Area} = \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height}$$

$$\text{Area} = \frac{1}{2} * (6 + 18) * 14$$

$$\text{Area} = \frac{1}{2} * 24 * 14$$

$$\text{Area} = 168$$

8)



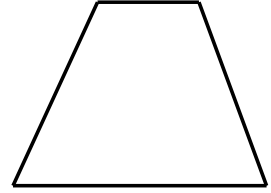
$$\text{Area} = \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height}$$

$$\text{Area} = \frac{1}{2} * (10 + 18) * 9$$

$$\text{Area} = \frac{1}{2} * 28 * 9$$

$$\text{Area} = 126$$

9)



$$\text{Area} = \frac{1}{2} * (\text{Base1} + \text{Base2}) * \text{Height}$$

$$\text{Area} = \frac{1}{2} * (6 + 15) * 11$$

$$\text{Area} = \frac{1}{2} * 21 * 11$$

$$\text{Area} = 115.5$$