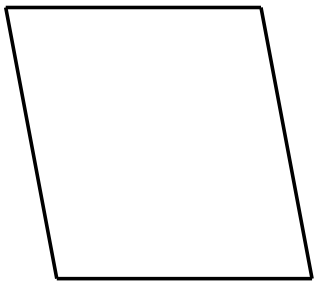
MathVine - Pre-Algebra Name_____

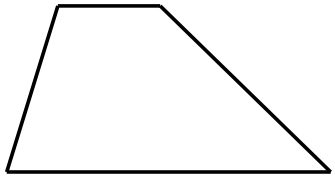
Area of 2D Shapes Date_____ Period_____

Find the area of each figure. Use $\pi = 3.14$. Round to the nearest tenth.

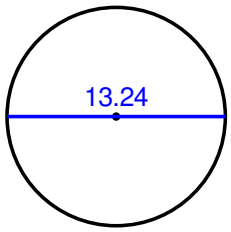
1)



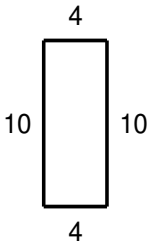
2)



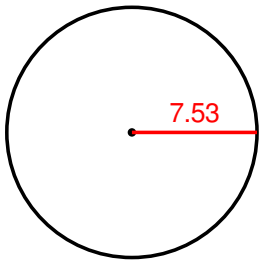
3)



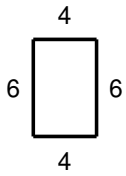
4)



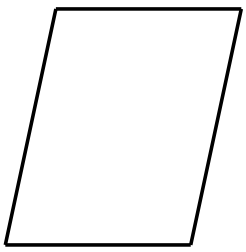
5)



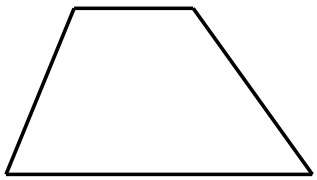
6)



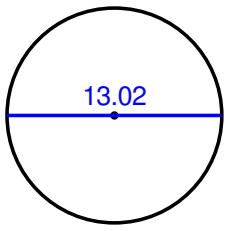
7)



8)



9)

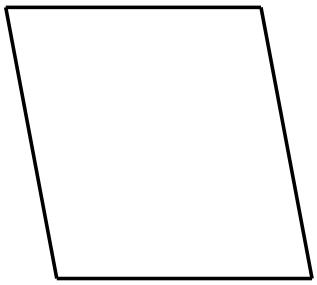


MathVine - Pre-Algebra Name_____

Area of 2D Shapes Date_____ Period_____

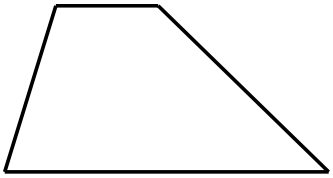
Find the area of each figure. Use $\pi = 3.14$. Round to the nearest tenth.

1)



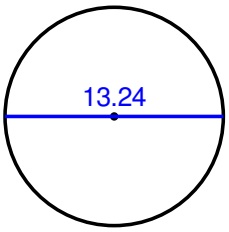
Answer: 240

2)



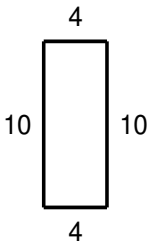
Answer: 125

3)



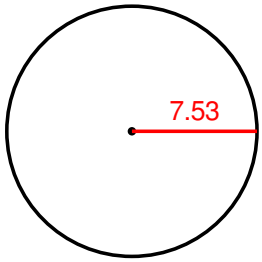
Answer: 137.61

4)



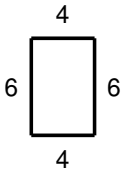
Answer: 40

5)



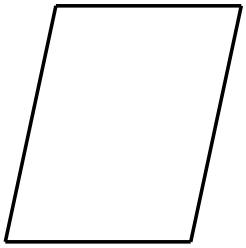
Answer: 178.04

6)



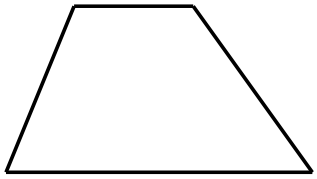
Answer: 24

7)



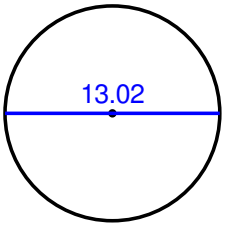
Answer: 154

8)



Answer: 125

9)



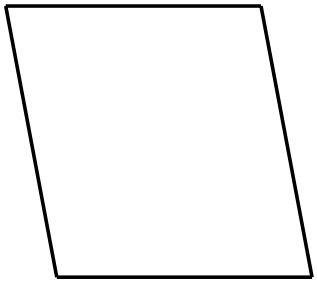
Answer: 133.07

MathVine - Pre-Algebra Name_____

Area of 2D Shapes Date_____ Period_____

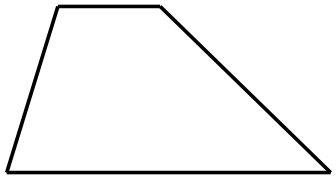
Solution Steps

1)



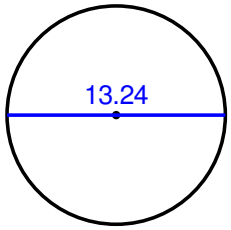
$$\text{Area} = \text{Base} * \text{Height}$$
$$\text{Area} = 15 * 16$$
$$\text{Area} = 240$$

2)

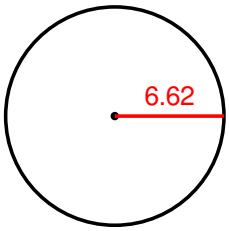


$$\text{Area} = \frac{1}{2} * (\text{Base1} + \text{Bas}$$
$$\text{Area} = \frac{1}{2} * (6 + 19) * 10$$
$$\text{Area} = \frac{1}{2} * 25 * 10$$
$$\text{Area} = 125$$

3)

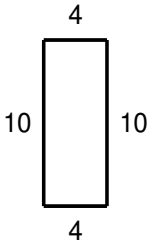


$$\text{Radius} = \frac{\text{Diameter}}{2}$$
$$\text{Radius} = \frac{13.24}{2}$$
$$\text{Radius} = 6.62$$



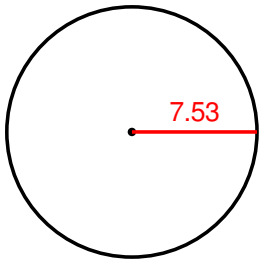
$$\text{Area} = \pi * (\text{Radius})^2$$
$$\text{Area} = 3.14 * 43.8244$$
$$\text{Area} = 137.61$$

4)



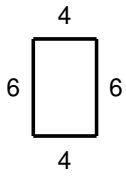
$$\text{Area} = \text{Length} * \text{Width}$$
$$\text{Area} = 4 * 10$$
$$\text{Area} = 40$$

5)



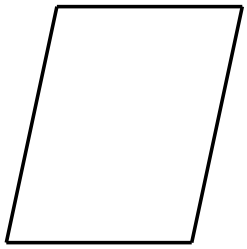
$$\text{Area} = \pi * (\text{Radius})^2$$
$$\text{Area} = 3.14 * 56.7009$$
$$\text{Area} = 178.04$$

6)



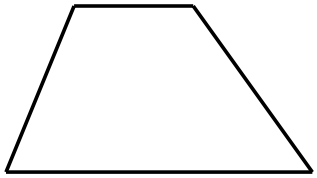
$$\text{Area} = \text{Length} * \text{Width}$$
$$\text{Area} = 4 * 6$$
$$\text{Area} = 24$$

7)



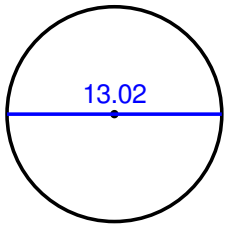
$$\text{Area} = \text{Base} * \text{Height}$$
$$\text{Area} = 11 * 14$$
$$\text{Area} = 154$$

8)

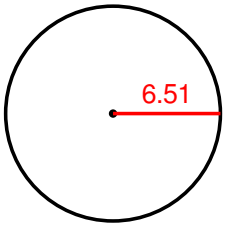


$$\text{Area} = \frac{1}{2} * (\text{Base1} + \text{Bas}$$
$$\text{Area} = \frac{1}{2} * (7 + 18) * 10$$
$$\text{Area} = \frac{1}{2} * 25 * 10$$
$$\text{Area} = 125$$

9)



$$\text{Radius} = \frac{\text{Diameter}}{2}$$
$$\text{Radius} = \frac{13.02}{2}$$
$$\text{Radius} = 6.51$$



$$\text{Area} = \pi * (\text{Radius})^2$$
$$\text{Area} = 3.14 * 42.3801$$
$$\text{Area} = 133.07$$