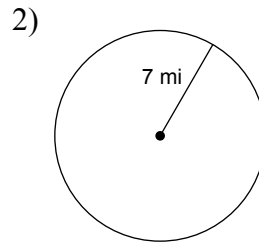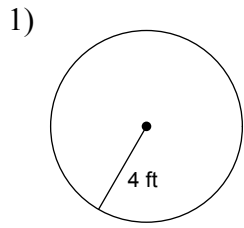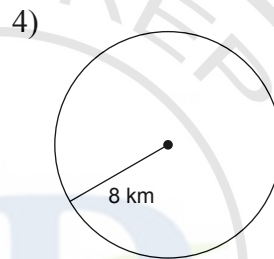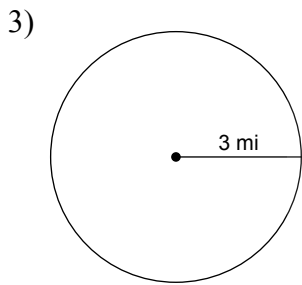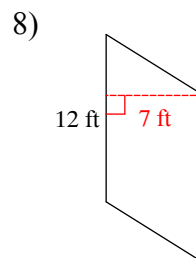**SATPREP**
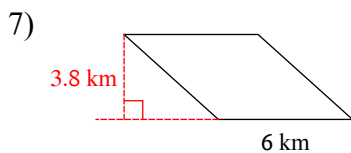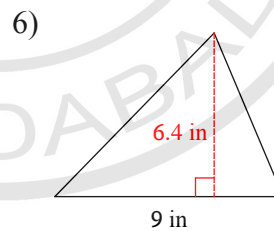
Name_____

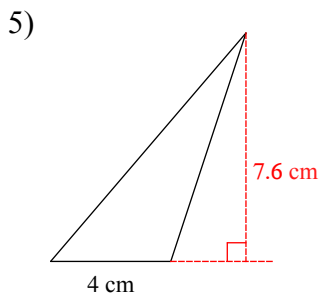## Assignment : Area of Plane

Date_____

Find the area of each. Use your calculator's value of π. Round your answer to the nearest tenth.
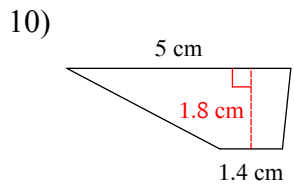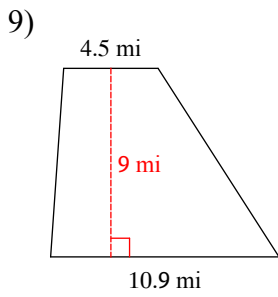
1)

4 ft

2)

7 mi

Find the circumference of each circle. Use your calculator's value of π. Round your answer to the nearest tenth.
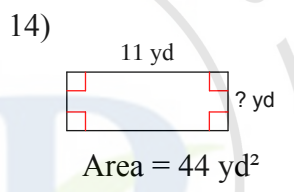
3)

3 mi

4)

8 km

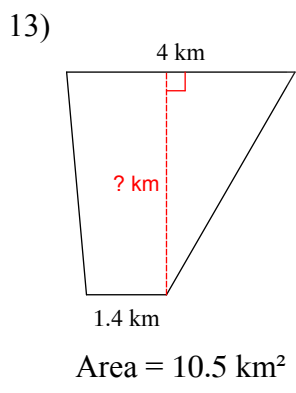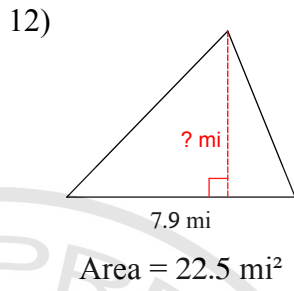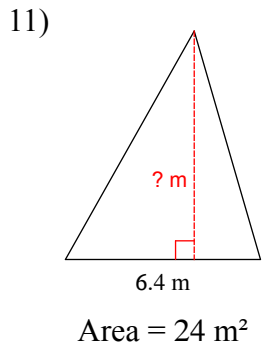**Find the area of each.**

5)

7.6 cm

4 cm

6)

6.4 in

9 in

7)

3.8 km

6 km

8)

12 ft   7 ft

9)

4.5 mi

9 mi

10.9 mi

10)

5 cm

1.8 cm

1.4 cm

Find the missing measurement. Round your answer to the nearest tenth.

11)

? m

6.4 m

Area = 24 m²

12)

? mi

7.9 mi

Area = 22.5 mi²

13)

4 km

? km

1.4 km

Area = 10.5 km²

14)

11 yd

? yd

Area = 44 yd²

Find the area of each.
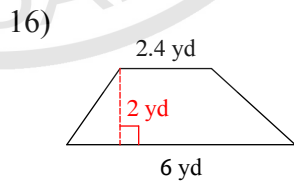
15)

1.5 km

2.2 km

5.5 km

16)

2.4 yd

2 yd

6 yd

Find the missing measurement. Round your answer to the nearest tenth.

17)

6 ft

? ft

1.8 ft

Area = 15.6 ft²

18)

3.9 m

1.8 m

? m

Area = 4.5 m²

-2-

Answers to Assignment : Area of Plane

1) 50.3 ft²

2) 153.9 mi²

3) 18.8 mi

4) 50.3 km

5) 15.2 cm²

6) 28.8 in²

7) 22.8 km²

8) 84 ft²

9) 69.3 mi²

10) 5.76 cm²

11) 7.5 m

12) 5.7 mi

13) 3.9 km

14) 4 yd

15) 7.7 km²

16) 8.4 yd²

17) 4 ft

18) 1.1 m