

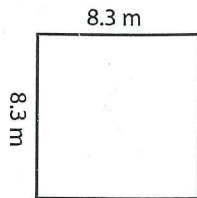
Name : _____

Score : _____

Answer key

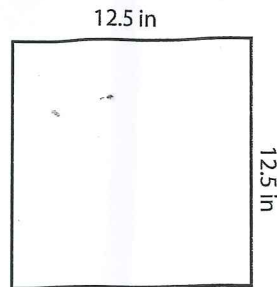
Find the area of each square.

1)



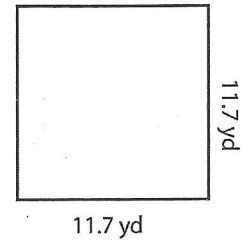
Area = 68.89 m^2

2)



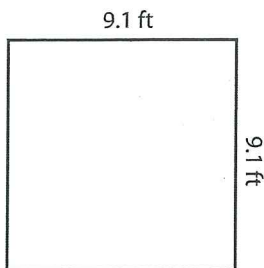
Area = 156.25 in^2

3)



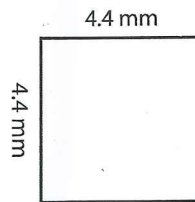
Area = 136.89 yd^2

4)



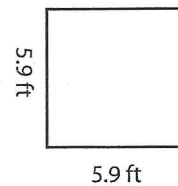
Area = 82.81 ft^2

5)



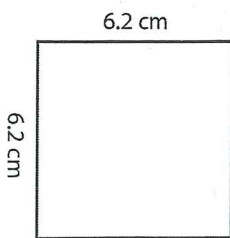
Area = 19.36 mm^2

6)



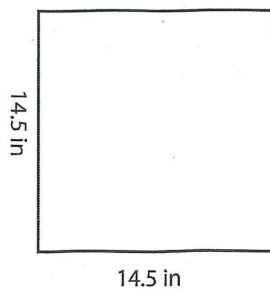
Area = 34.81 ft^2

7)



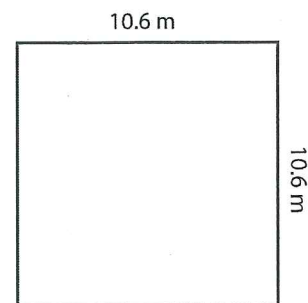
Area = 38.44 cm^2

8)



Area = 210.25 in^2

9)

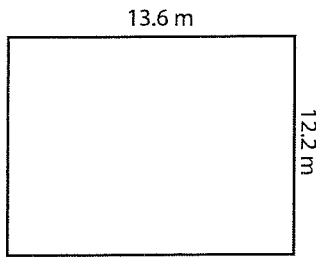


Area = 112.36 m^2

Answer Key

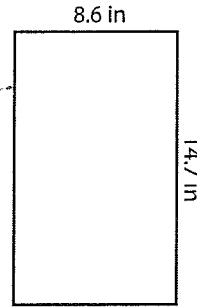
Find the area of each rectangle.

1)



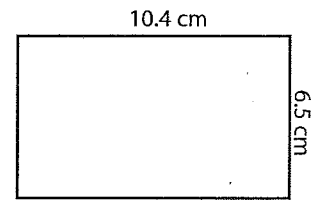
Area = **165.92 m²**

2)



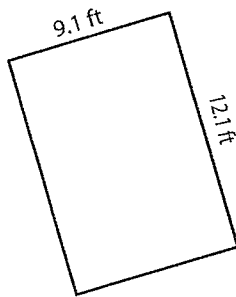
Area = **126.42 in²**

3)



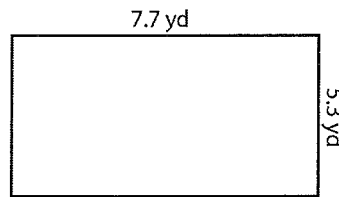
Area = **67.6 cm²**

4)



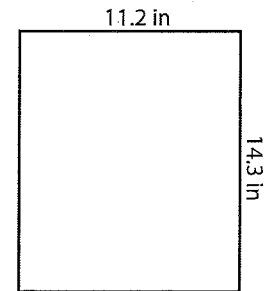
Area = **110.11 ft²**

5)



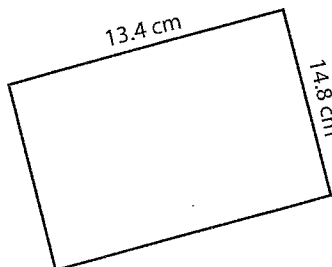
Area = **40.81 yd²**

6)



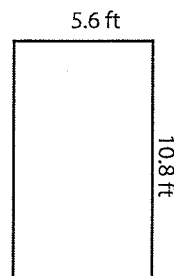
Area = **160.16 in²**

7)



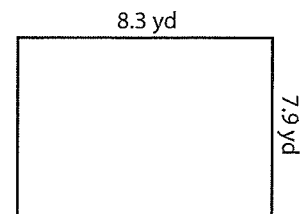
Area = **198.32 cm²**

8)



Area = **60.48 ft²**

9)



Area = **65.57 yd²**











Answer Key

Name: _____

Score: _____

Answer key

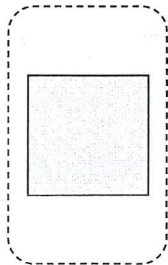
Complete the table:

S.No	Shapes	Names	Number of sides	Number of corners
1		Square	4	4
2		Rectangle	4	4
3		Triangle	3	3
4		Pentagon	5	5
5		Hexagon	6	6
6		Octagon	8	8
7		Parallelogram	4	4
8		Trapezoid	4	4
9		Rhombus	4	4
10		Kite	4	4

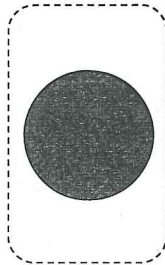
Score: _____

Answer key

Draw each shape:



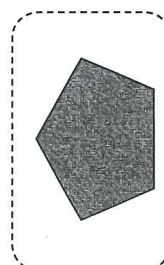
Square



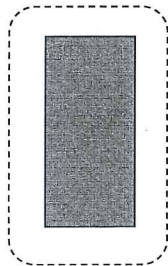
Circle



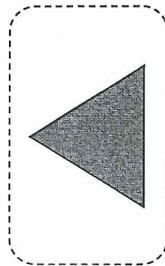
Parallelogram



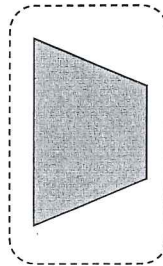
Pentagon



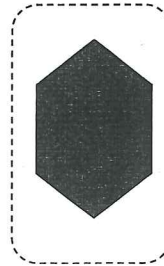
Rectangle



Triangle



Trapezoid



Hexagon

Name: _____

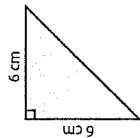
Name: _____

Score: _____

Answer Key

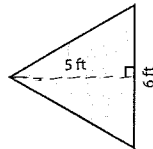
Find the area of each triangle.

1)



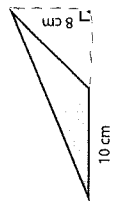
Area = **18 cm²**

2)



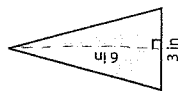
Area = **15 ft²**

3)



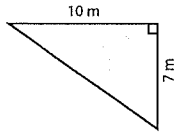
Area = **40 cm²**

4)



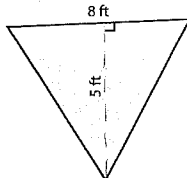
Area = **9 in²**

5)



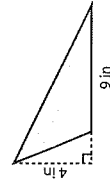
Area = **35 m²**

6)



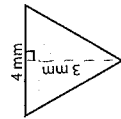
Area = **20 ft²**

7)



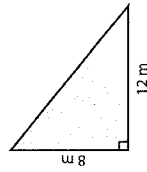
Area = **18 in²**

8)



Area = **6 mm²**

9)



Area = **48 m²**

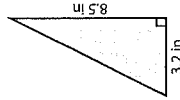
Name: _____

Score: _____

Answer key

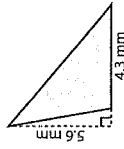
Find the area of each triangle.

1)



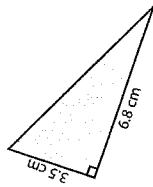
Area = **13.6 in²**

2)



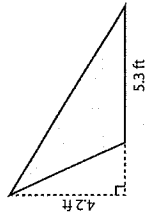
Area = **12.04 mm²**

3)



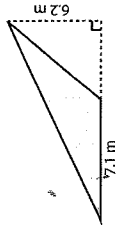
Area = **11.9 cm²**

4)



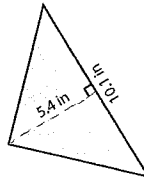
Area = **11.13 ft²**

5)



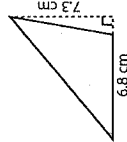
Area = **22.01 m²**

6)



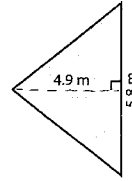
Area = **27.27 in²**

7)



Area = **24.82 cm²**

8)



Area = **14.21 m²**

9)



Area = **67.71 mm²**

Answer key

Example:



In an isosceles triangle, altitude drawn to the base is a median.
Median divides base into equal line segments.

$$\begin{aligned} \text{height} &= \sqrt{12^2 - 5^2} \\ &= \sqrt{144 - 25} \\ &= \sqrt{119} \\ &= 10.91 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{Area} &= \frac{1}{2} \times b \times h \\ &= \frac{1}{2} \times 10 \times 10.91 \\ &= 54.55 \text{ m}^2 \end{aligned}$$

Find the area of each isosceles triangle. Round the answer to 2 decimal places.

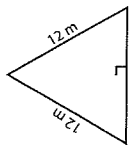
- | | | |
|---|--|---|
| 1)
Area = 22.25 cm² | 2)
Area = 21.63 m² | 3)
Area = 88.99 in² |
| 4)
Area = 57.83 ft² | 5)
Area = 36.66 mm² | 6)
Area = 60 yd² |
| 7)
Area = 155.33 in² | 8)
Area = 127 cm² | 9)
Area = 130.93 ft² |

Name: _____

Score: _____

Answer key

Example:



$$\begin{aligned} \text{Area of an equilateral triangle} &= \frac{\sqrt{3}}{4} a^2 \\ a &= 12 \text{ m} \\ \text{Area} &= \frac{\sqrt{3}}{4} \times 12 \times 12 \\ &= 62.35 \text{ m}^2 \end{aligned}$$

Find the area of each equilateral triangle. Round the answer to two decimal places.

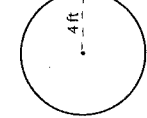
- | | | |
|---|---|---|
| 1)
Area = 84.87 mm² | 2)
Area = 35.07 cm² | 3)
Area = 209.57 in² |
| 4)
Area = 110.85 in² | 5)
Area = 73.18 ft² | 6)
Area = 249.41 cm² |
| 7)
Area = 6.93 m² | 8)
Area = 270.63 mm² | 9)
Area = 3.90 ft² |

Name: _____

Score: _____

Answer Key

Example:

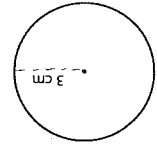


Area of a circle = πr^2
Radius (r) = 4 ft
Area = πr^2
= $\pi \times 4 \times 4$
Area = $16\pi \text{ ft}^2$

Find the exact area of each circle.

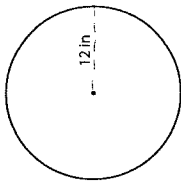
($\pi = 3.14$)

1)



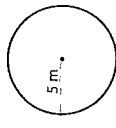
Area = $9\pi \text{ cm}^2$
 28.26 cm^2

2)



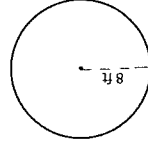
Area = $144\pi \text{ in}^2$
 452.16 in^2

3)



Area = $25\pi \text{ m}^2$
 78.5 m^2

4)



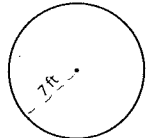
Area = $64\pi \text{ ft}^2$
 200.96 ft^2

5)



Area = $100\pi \text{ cm}^2$
 314 cm^2

6)



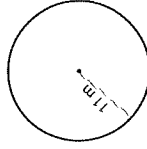
Area = $49\pi \text{ ft}^2$
 153.86 ft^2

7)



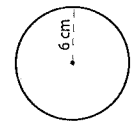
Area = $169\pi \text{ in}^2$
 530.66 in^2

8)



Area = $121\pi \text{ m}^2$
 379.94 m^2

9)



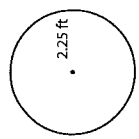
Area = $36\pi \text{ cm}^2$
 113.04 cm^2

Name: _____

Score: _____

Answer Key

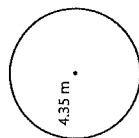
Example:



Area of a circle = πr^2
Radius (r) = 2.25 ft
Area = πr^2
= $3.14 \times 2.25 \times 2.25$
Area = 15.90 ft^2

Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



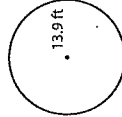
Area = 59.42 m^2

2)



Area = 30.76 cm^2

3)



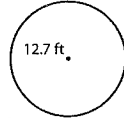
Area = 606.68 ft^2

4)



Area = 208.57 cm^2

5)



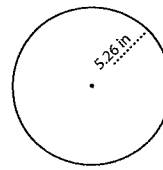
Area = 506.45 ft^2

6)



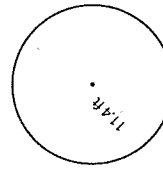
Area = 326.69 in^2

7)



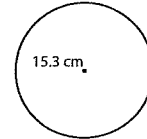
Area = 86.88 in^2

8)



Area = 408.07 ft^2

9)



Area = 735.04 cm^2