

Name: _____

Adve

date: 3/8/19
~~per~~: 7



Work!
formula!
be neat!

-0

Area - Compound Shapes

213
x8
104

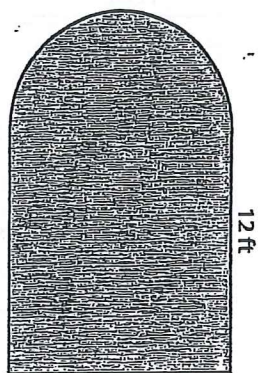
$A = b \cdot h / 2$
 $A = 8 \cdot 6 / 2$
 $A = 48 / 2$
 $A = 24 \text{ in}$

104
+24
128

Find the area of each figure. Round the answer to 2 decimal places if necessary.

Hundredths

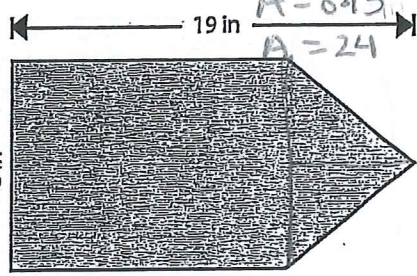
1)



8 ft

Area = _____

2)

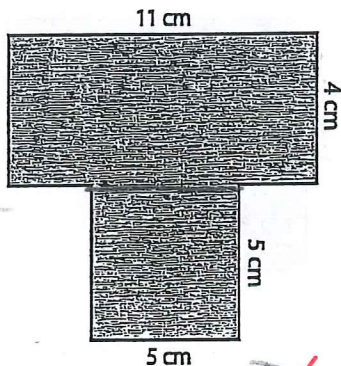


13 in

$A = L \cdot W$
 $A = 8 \cdot 13$
 $A = 24$

Area = 128 in² ✓

3)



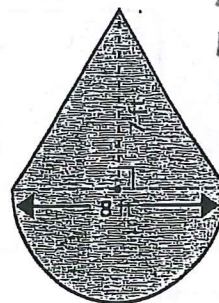
5 cm

Area = 69 cm² ✓

$A = L \cdot W$
 $A = 5 \cdot 5$
 $A = 25 \text{ cm}$
 $A = L \cdot W$
 $A = 11 \cdot 4$
 $A = 44$

25
+44
69

4) $\frac{28}{\sqrt{56}}$
 $\frac{5}{16}$



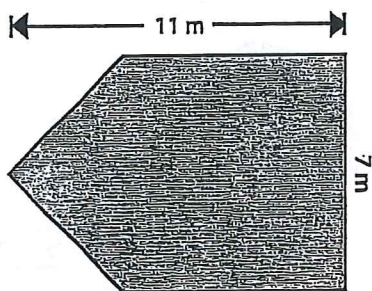
$A = b \cdot h / 2$
 $A = 8 \cdot 7 / 2$
 $A = 56 / 2$
 $A = 28 \text{ ft}$

$A = \pi r^2$
 $A = 3.14(4)^2$
 $A = 3.14(16)$

3.14
x16
1884
+3140
5024
2
25.12
+28.00
53.12

Area = 53.12 ft² ✓

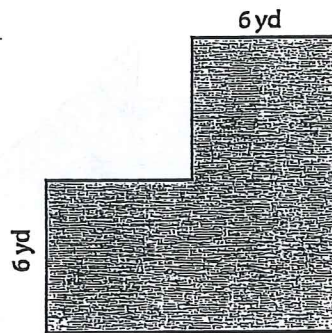
5)



7 m

Area = _____

6)



12 yd

Area = _____

date: _____

Name: _____

Score: _____

Area - Compound Shapes (2)

Find the area of each figure. Round the answer to 2 decimal places if necessary.

$$\begin{array}{r} 3.14 \\ \times 9 \\ \hline 28.26 \end{array}$$

$$A = \pi r^2$$

$$A = 3.14(3)^2$$

$$A = 3.14(9)$$

$$A = 28.26 \text{ m}^2$$

$$A = 14.13 \text{ m}^2$$

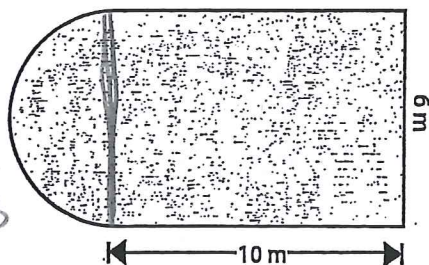
$$A = L \cdot W$$

$$A = 6 \cdot 10$$

$$A = 60 \text{ m}^2$$

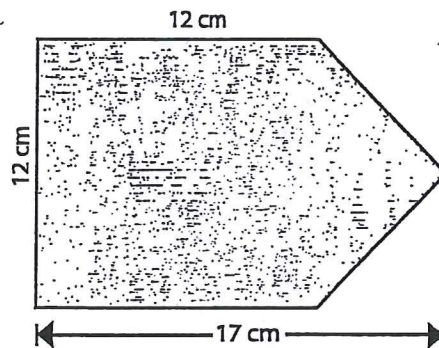
1)

$$\begin{array}{r} 14.13 \\ 60.00 \\ \hline 74.13 \end{array}$$



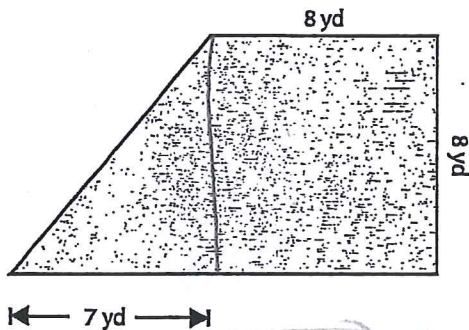
Area = 74.13² ✓

2)



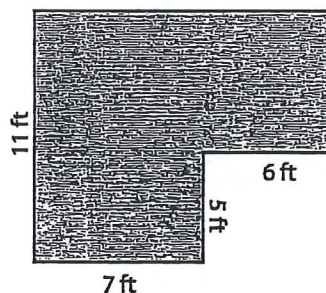
Area = _____

3)



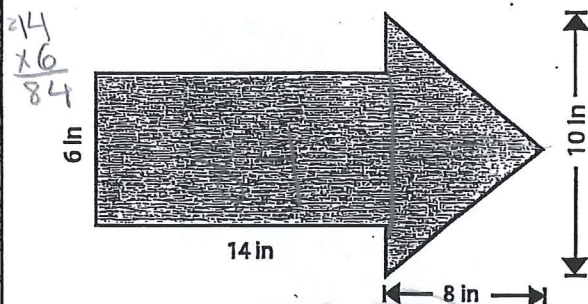
Area = 92 yd² ✓

4)



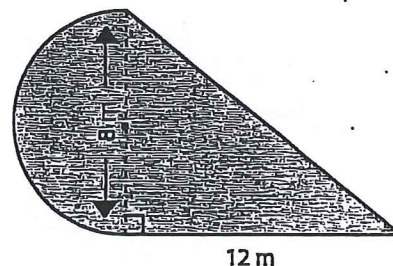
Area = _____

5)



Area = 124 in² ✓

6)



Area = _____

$$A = b \cdot h / 2$$

$$A = 7 \cdot 8 / 2$$

$$A = 56 / 2$$

$$A = 28 \text{ ft}^2$$

$$A = L \cdot W$$

$$A = 8 \cdot 8$$

$$A = 64 \text{ yd}^2$$

$$A = 64 + 28$$

$$A = 92 \text{ yd}^2$$

$$A = b \cdot h / 2$$

$$A = 10 \cdot 8 / 2$$

$$A = 80 / 2$$

$$A = 40$$

$$A = L \cdot W$$

$$A = 6 \cdot 14$$

$$A = 84 \text{ in}$$

$$A = 84$$

$$+ 40$$

$$\hline 124$$

Area - Compound Shapes (3)

Find the area of each figure. Round the answer to 2 decimal places if necessary.

$A = \pi r^2$
 $A = 3.14(3)^2$
 $A = 3.14(9)$
 $A = \frac{28.26}{2}$
 $A = 14.13$

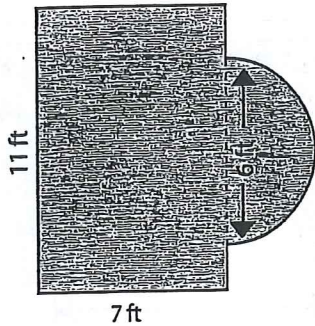
 $A = L \cdot W$
 $A = 7 \cdot 11$
 $A = 77$
 $A = 77.00$
 $\frac{14.13}{91.13}$

$A = L \cdot W$
 $A = 12 \cdot 6$
 $A = 72$

 $A = \pi r^2$
 $A = 3.14(3)^2$
 $A = 3.14(9)$
 $A = 28.26$

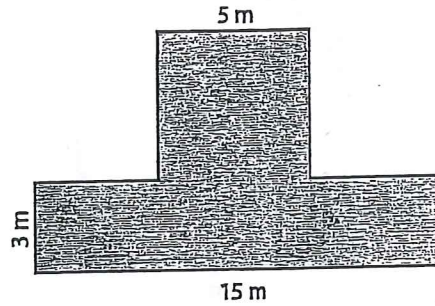
 $A = 28.26$
 $+ 72.00$
 $\hline 100.26$

1)



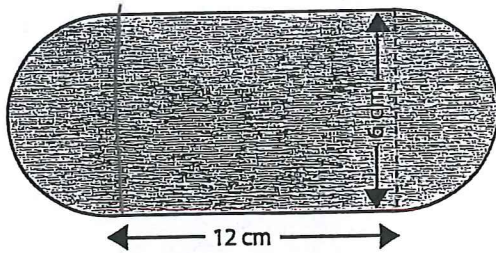
Area = 91.13 ft² ✓

2)



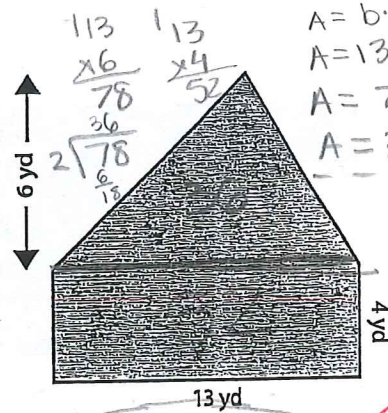
Area = _____

3)



Area = 100.26 cm² ✓

4)



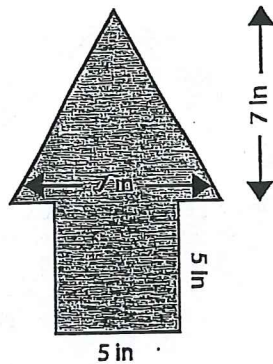
Area = 91 yd² ✓

$A = b \cdot h / 2$
 $A = 13 \cdot 6 / 2$
 $A = 78 / 2$
 $A = 39$

 $A = L \cdot W$
 $A = 13 \cdot 4$
 $A = 52 yd$

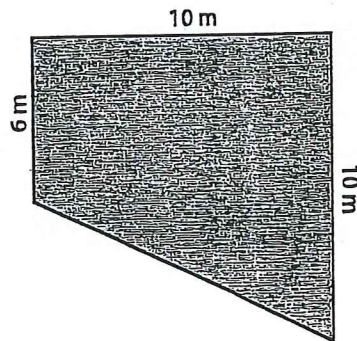
 $A = 52$
 $+ 39$
 $\hline 91$

5)



Area = _____

6)



Area = _____

Area - Compound Shapes (4)

$A = L \cdot W$
 $A = 10 \cdot 6$
 $A = 60$

$A = b \cdot h / 2$

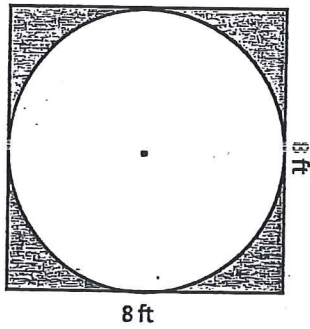
$A = 7 \cdot 6 / 2$

$A = 42 / 2$

$A = 21$

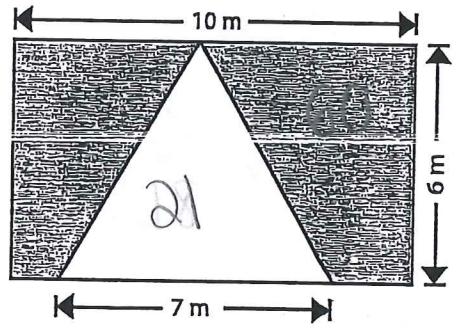
Find the area of shaded region. Round the answer to 2 decimal places if necessary.

1)



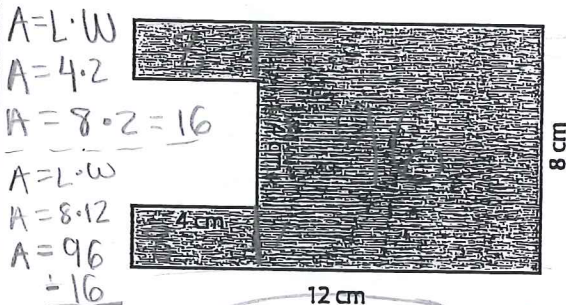
Area = _____

2)



Area = 39 m² ✓

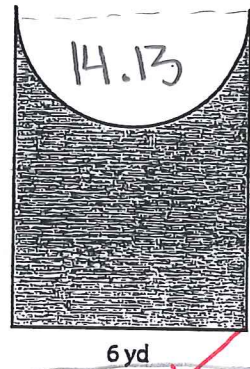
3)



$A = L \cdot W$
 $A = 4 \cdot 2$
 $A = 8 \cdot 2 = 16$
 $A = L \cdot W$
 $A = 8 \cdot 12$
 $A = 96$
 $\frac{16}{96}$
80

Area = 80 cm² ✓

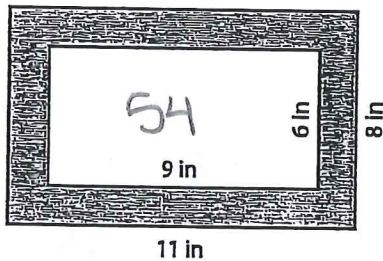
4)



Area = 63.87 yd² ✓

$A = \pi r^2 / 2$
 $A = 3.14(3)^2$
 $A = 3.14(9)$
 $A = 28.26 / 2$
 $A = 14.13$
 $A = L \cdot W$
 $A = 6 \cdot 13$
 $A = 78$

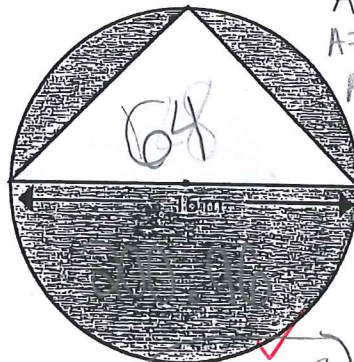
5)



Area = 34 in² ✓

$A = L \cdot W$
 $A = 8 \cdot 11$
 $A = 88$
 $A = L \cdot W$
 $A = 9 \cdot 6$
 $A = 54$
 $\frac{88}{54}$
34

6)



Area = 136.96 m² ✓

3.14
 $\times 64$
 $\hline 11256$
 $+ 18840$
 $\hline 20096$
 $\frac{20096}{16} = 1256$
 $1256 - 64 = 1192$

$A = \pi r^2$
 $A = 3.14(8)^2$
 $A = 3.14(64)$
 $A = 200.96$
 $A = b \cdot h / 2$
 $A = 16 \cdot 8 / 2$
 $A = 64$
 $A = 200.96$
 $\frac{64}{200.96}$
136.96

Name: _____

Per: _____
Score: _____ Date: _____

Area - Compound Shapes (5)

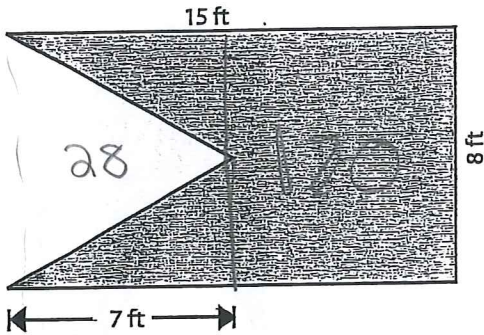
$$\begin{array}{r} 415 \\ \times 8 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 3.14 \\ \times 16 \\ \hline 18.84 \\ + 3140 \\ \hline 50.24 \end{array}$$

$$\begin{aligned} A &= l \cdot w \\ A &= 10 \cdot 8 \\ A &= 80 \\ A &= \pi r^2 \\ A &= 3.14(4)^2 \\ A &= 3.14(16) \\ A &= 50.24 \\ A &= \frac{50.24}{2} \\ A &= 25.12 \\ A &= 80.00 \\ &- 25.12 \\ \hline 54.88 \end{aligned}$$

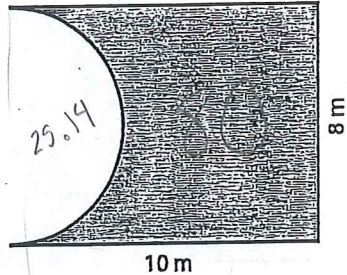
Find the area of shaded region. Round the answer to 2 decimal places if necessary.

1)



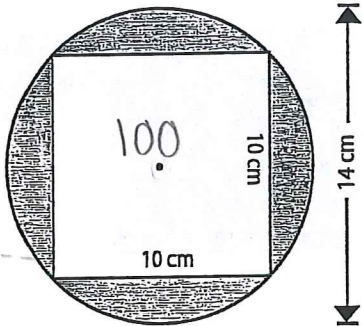
Area = 92 ft²

2)



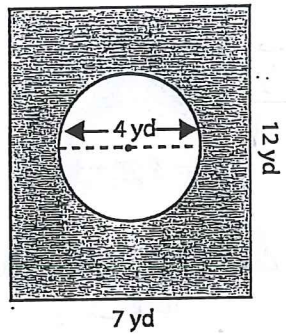
Area = 54.88 m²

3)



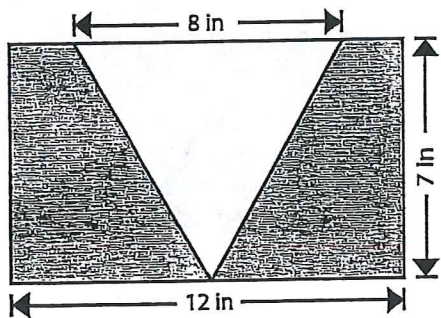
Area = 53.86 cm²

4)



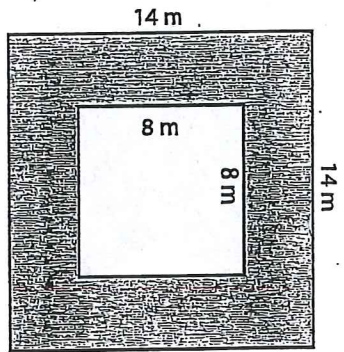
Area = _____

5)



Area = _____

6)



Area = _____

$$\begin{aligned} A &= b \cdot h / 2 \\ A &= 8 \cdot 7 / 2 \\ A &= 56 / 2 \\ A &= 28 \\ A &= l \cdot w \\ A &= 8 \cdot 15 \\ A &= 120 \\ A &= 120 \\ &- 28 \\ \hline 92 \end{aligned}$$

$$\begin{aligned} A &= \pi r^2 \\ A &= 3.14(7)^2 \\ A &= 3.14(49) \\ A &= 153.86 \\ A &= l \cdot w \\ A &= 10 \cdot 10 \\ A &= 100 \\ A &= 153.86 - 100 \end{aligned}$$

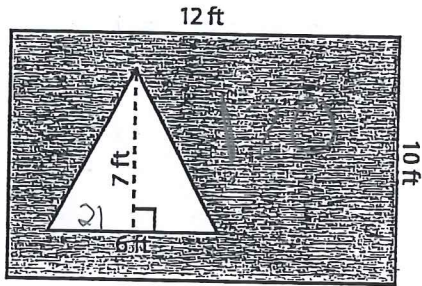
Name: _____

Per: _____
Score: _____ Date: _____

Area - Compound Shapes (6)

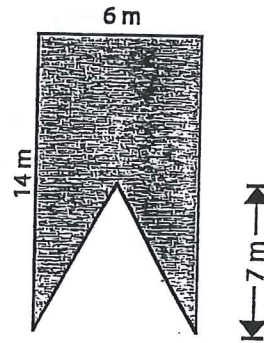
Find the area of shaded region. Round the answer to 2 decimal places if necessary.

1)



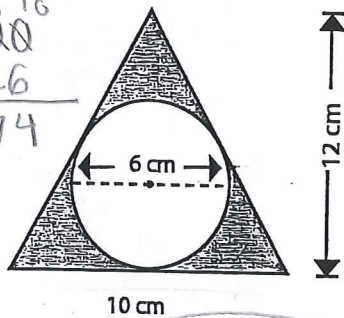
Area = 99 ft²

2)



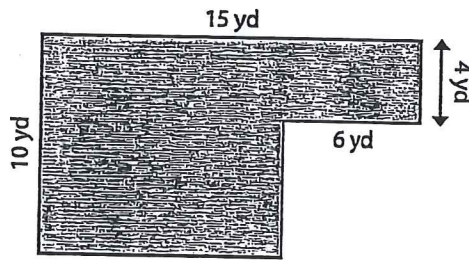
Area = _____

3)



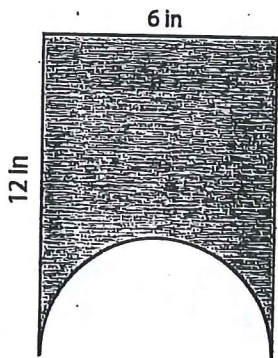
Area = 31.74 cm²

4)



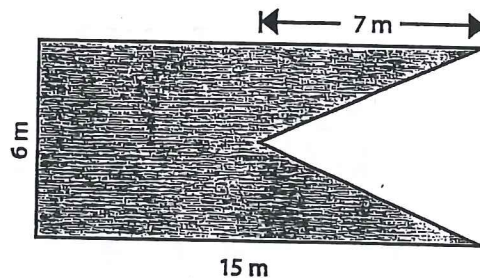
Area = _____

5)



Area = _____

6)



Area = _____

$A = L \cdot W$
 $A = 12 \cdot 10$
 $A = 120$

 $A = b \cdot h / 2$
 $A = 6 \cdot 7 / 2$
 $A = 42 / 2$
 $A = 21$

 $A = 120$
 $\quad - 21$
 $\hline 99$

$A = b \cdot h / 2$
 $A = 10 \cdot 12 / 2$
 $A = 120 / 2$
 $A = 60$

 $A = \pi r^2$
 $A = 3.14 (3)^2$
 $A = 3.14 (9)$
 $A = 28.26$

$A = 60$
 $\quad - 28.26$
 $\hline 31.74$