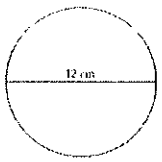
Module 4 Quiz Review

1. Find the circumference of a circle with a diameter of 3 yards
2. Find the circumference of a circle with a radius of 2.5 cm.
3. Find the circumference of the circle.

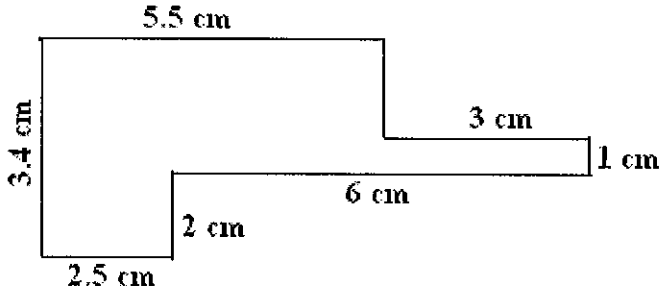


4. Find the area of a circle with a diameter of 10 feet.
5. Find the area of a circle with a radius of 13 inches.
6. Pacman has a radius of 3 pixels. What is his circumference? What is his area when his mouth is closed?

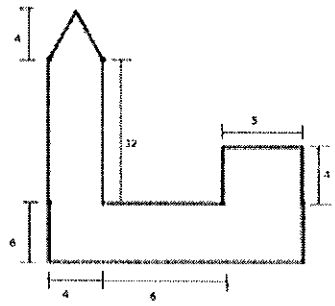
7. Harry Potter's glasses contain two circular lenses with a diameter of 2.5 inches each. If Ron accidentally steps on his glasses, what is the area of the glass he will need to replace them?

8. Tommy's parents bought him a new phone after Alec stepped on his old phone and broke it. Tommy wants to buy a heavy duty screen protector. The new screen has a length of 5 inches and a width of 3 inches. What is the area of the screen protector he must purchase to fit the screen?

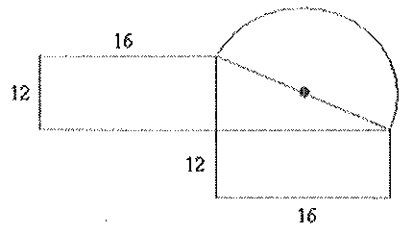
9. Find the area of the irregular shape.



10. Find the area



11. Find the area of the composite shape if the radius of the semi-circle is 10 units.



12. Ben is making a sculpture in the shape of a semi-circle. If the diameter of the sculpture is 2 feet, what is the area?

Quiz Review

1. $C = \pi d$
   $3.14(3)$
   9.42 yd

2. $C = 2\pi r$
   $2(3.14)(2.5)$
   15.7 cm

3. $C = \pi d$
   $= 3.14(12)$
   37.68 cm

4. $A = \pi r^2$
   $3.14(5)^2$
   $3.14(25)$
   78.5 ft^2

5. $A = \pi r^2$
   $3.14(13)^2$
   $3.14(169)$
   530.66 in^2

6. $C = 2\pi r$
   $2(3.14)(3)$
   $(6)(3.14)$
   18.84 pixels

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

7. $A = \pi r^2$ (radius is half of the diameter)

$3.14(1.25)^2$

$3.14(1.5625)$

4.9062 sq in.

$\times 2$

9.8 in^2

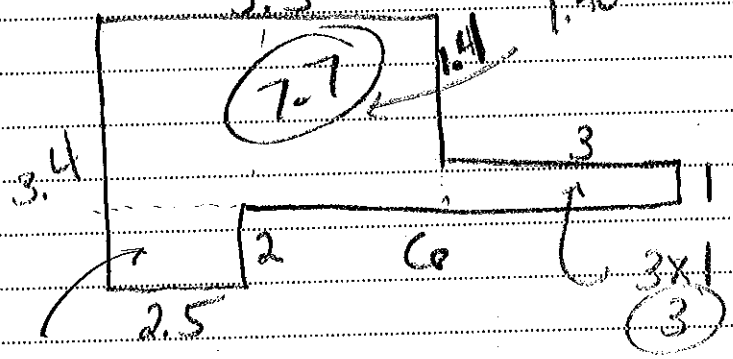
* remember there are two lenses

8. $A = bh$

$= 5(3)$

15 in^2

9.



* not drawn to scale

$(2.5)(2)$

5

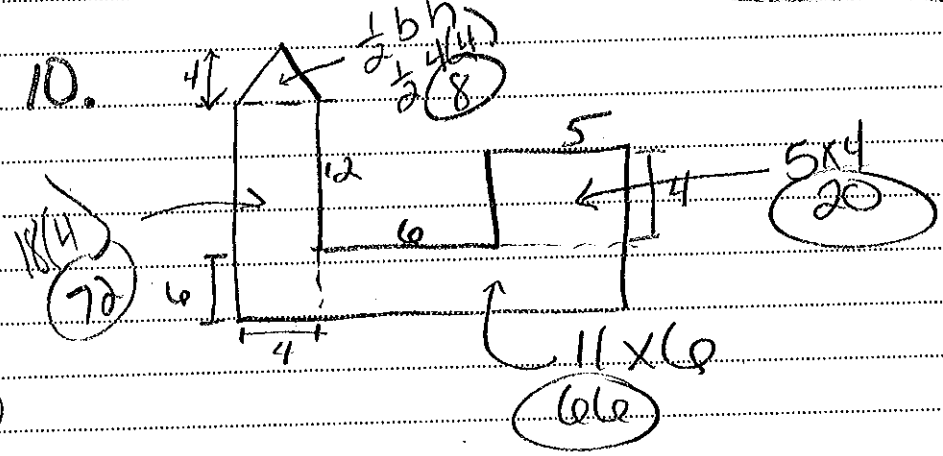
7.7

3

+ 5

15.7 cm^2

10.



72

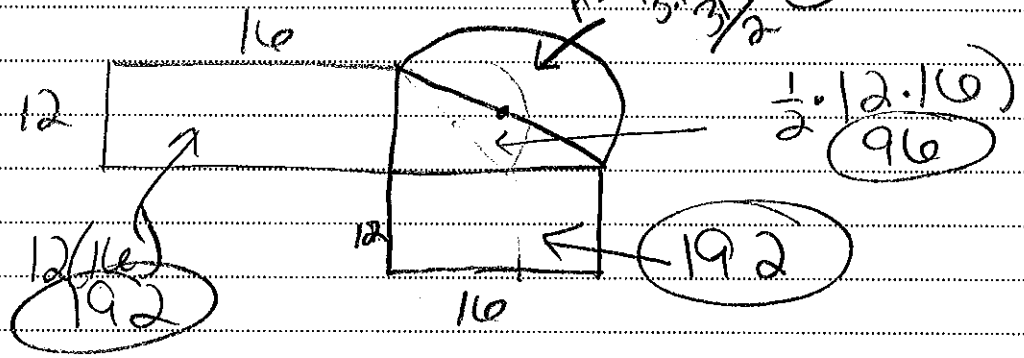
66

20

8

116 sq units

11.



$192+192+96+157$

637 sq units

12. $A=\pi r^2$

$3.14(1)^2$

3.14 sq ft