

Intro to Geometry

Unit Three – G.GMD. 1 Review (IC/HW4)

For each multiple choice question, please circle your answer.

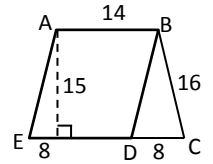
Name: _____

Date: _____ Period: _____

1. The perimeter of a rectangle is 54 cm and the base length is twice the height. What is the area?
 a. 108 cm^2 b. 154 cm^2 c. 162 cm^2 d. 324 cm^2

2. The perimeter of a rectangle is 40 cm. If the width is 8 cm, what is the length?
 a. 12cm b. 16 cm c. 32 cm d. 48 cm

3. What is the area, in square units, of parallelogram ABDE?
 a. 120 b. 136 c. 210 d. 240



4. What is the area, in square units, of $\triangle BCD$?
 a. 60 b. 128 c. 120 d. cannot be determined

5. What is the area, in square units, of trapezoid ABCE?
 a. 240 b. 270 c. 352 d. 420

6. The perimeter of ABCE is:
 a. 63 units b. 69 units c. 75 units d. cannot be determined

7. What is the measure of the base of a triangle with height of 20 cm and an area of 100 cm^2 ?
 a. 5 cm b. 6 cm c. 8 cm d. 10 cm

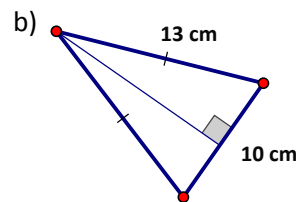
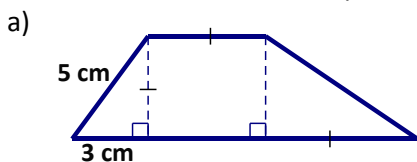
8. To the nearest tenth, the circumference of a circle with a radius of 3 cm is:
 a. 9.4 cm b. 18.8 cm c. 28.3 cm d. 31.4 cm

9. Given the following information about circles, determine the missing information.

- a) $C = 16 \text{ cm}$ b) $r = 5\sqrt{2} \text{ cm}$ c) $r = \pi \text{ cm}$ d) $C = 10\pi \text{ cm}$

$d =$ _____ (E) $d =$ _____ $C =$ _____ (E) $r =$ _____

10. Find the area and perimeter of each of the shapes below. Give answers marked with an (E) as exact. Round all other answers to one decimal place.

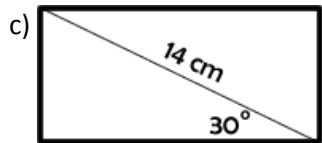


Area = _____ (E)

Area = _____ (E)

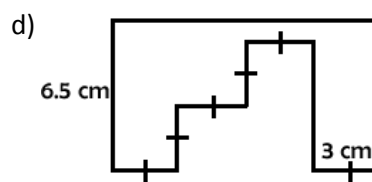
Perimeter = _____ (E)

Perimeter = _____ (E)



Area = _____ (E)

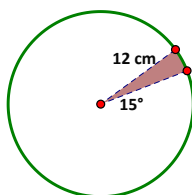
Perimeter = _____ (E)



Area = _____ (E)

Perimeter = _____ (E)

11. Find the area of the shaded sector.



Area = _____ (E)