

Mth 21, Homework 11 on section 8.1

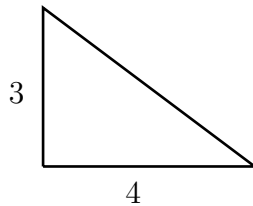
Due by Wed, Nov 29.

Please use lots of space and explain your answers, showing clearly any work you had to do. Each question is worth 3 points.

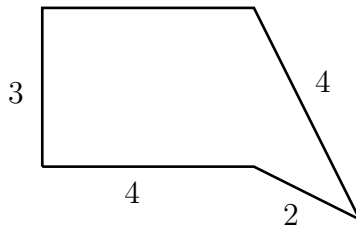
- (1) A rectangle measures 7 feet by 12 feet. Find the area and perimeter of this rectangle, using the correct units.

(Hint: area measurements need square units and length measurements need regular length units.)

- (2) Find the area and perimeter of this right triangle. The units are inches.



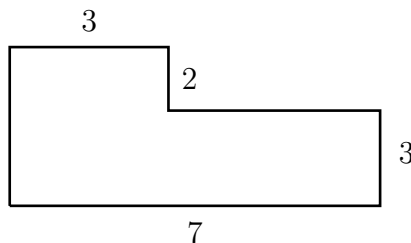
- (3) Find the perimeter and area of this polygon. The units are centimeters.



- (4) For a circle of radius 4 meters find as an accurate decimal in the correct units:

- (a) its circumference,
- (b) its diameter,
- (c) its area.

- (5) Find the perimeter and area of this polygon. The units are miles.



(Hint: find the two missing side lengths first. Use two rectangles to get the area.)

If you get stuck on a question or aren't sure if you understand it:

- Go over the relevant class notes and section in the textbook.
- Check if you get the right answer for a similar odd-numbered question in the textbook (answers at the back of the book).
- Ask me about it after class.
- Come to my office hours: Mon 11:30 - 12:30, Wed 11:30 - 12:30 in CP 317.
- Go to the Math Tutorial Lab in-person in CP 303 or online.