

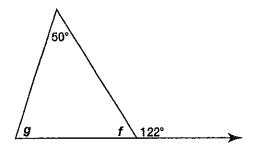
Boot Camp 3 Triangles Take Home and Check

Tier A

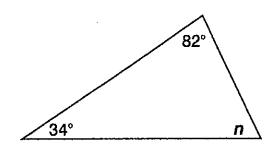
- 1) Write yes or no next to each set of measurements. Write Yes if they can make a triangle and No if they cannot.
 - A) 18m, 7m, 4m
 - B) 11m, 11m, 22m
 - C) 5m, 9m, 8m
 - D) 28m, 8m, 10m

1)

- A)7+4<18 NO
- B) 11+11=22 No c) $5+8 \ge 9$ yes d) 10+8 < 28 No
- and angle g? What is the measure of angle f? Show how you get your answer.

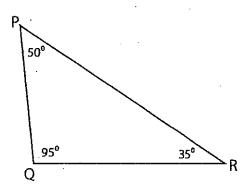


- 2) Angle f = 180-122 = 58° (fand 122 are supplementary) 50+58 = 108 180-108 = 720
- 3) What is the measure of angle n? Show how you get your answer?



3) 82+ 34=116 180-116=64°

4) Use two letters to name the longest and shortest sides.



Longest side = ____

Shortest side = _____

H)

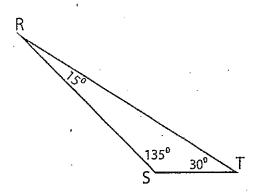
Longest side =

PR (because it is across from the largest 2)

Shortest side =

Pa (because it is across from the smallest 2)

5) Use two letters to name the longest and shortest sides.



Longest side = _____

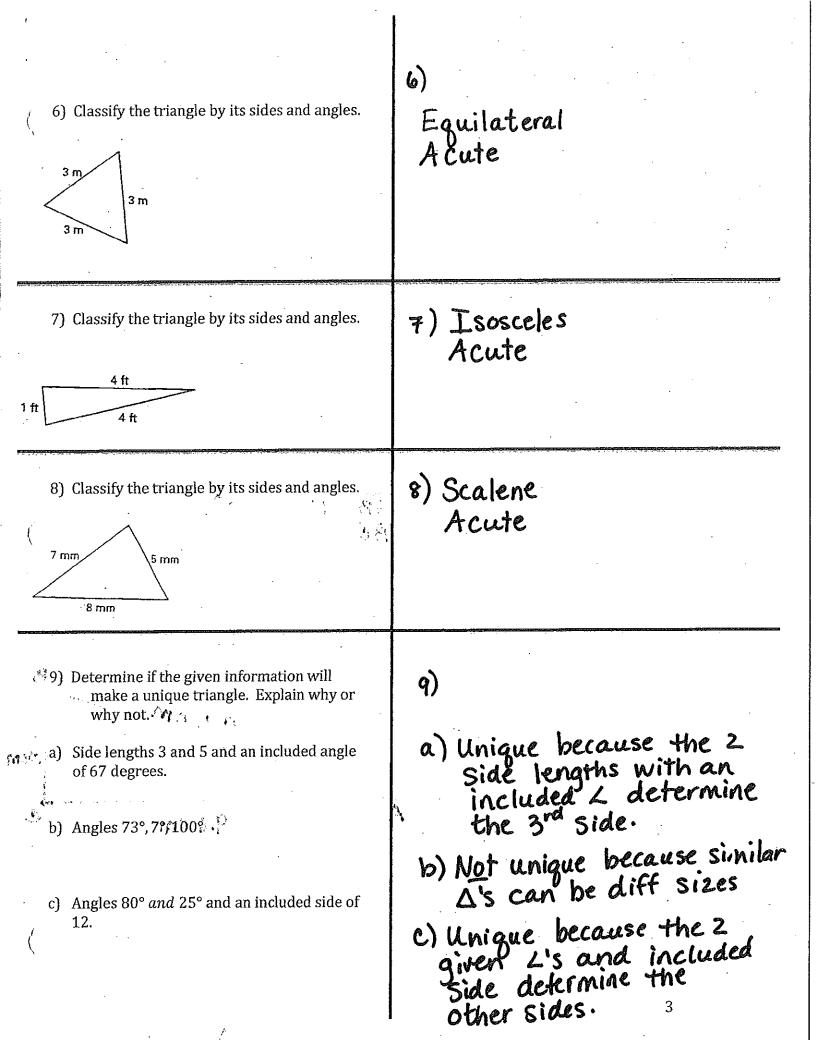
Shortest side = ____

5)
Longest side =

RT

Shortest side =

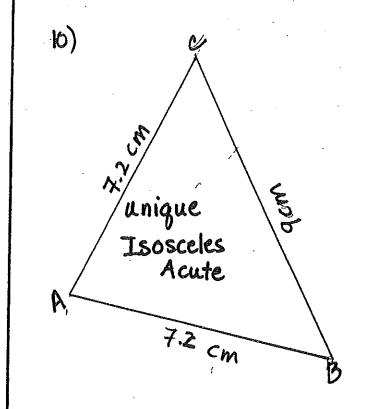
ST



10) Construct a triangle in which

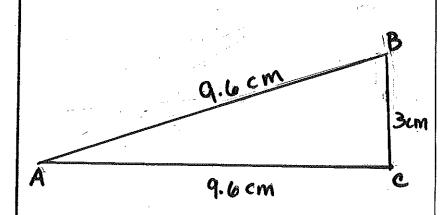
Is this a unique triangle?

What Kind of Δ is this?



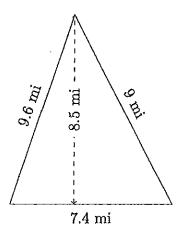
11) Construct a triangle whose sides are twice as long as the triangle below.



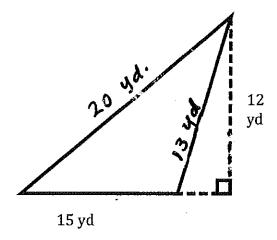


12) Find the perimeter and area of the following triangles:

a)



b)



12)

a)
$$P = 9.6 + 9 + 7.4 = 26 \text{ mi}$$

$$A = \frac{bh}{2} = (7.4)(8.5) = 62.9 = 2$$

$$31.45 \text{ mi}^2$$

b)
$$P = 13 + 20 + 15 = 48 \text{ yd}$$

$$A = \frac{bh}{2} = \frac{(15)(12)}{2} = \frac{180}{2} = \frac{90 \text{ yd}^2}{2}$$

t