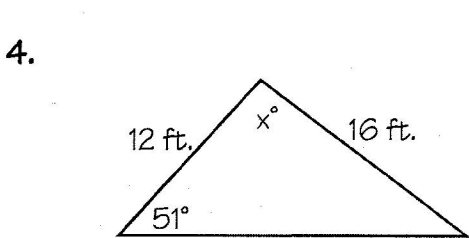
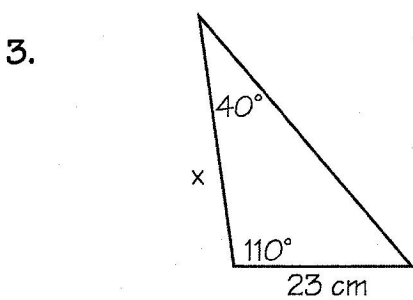
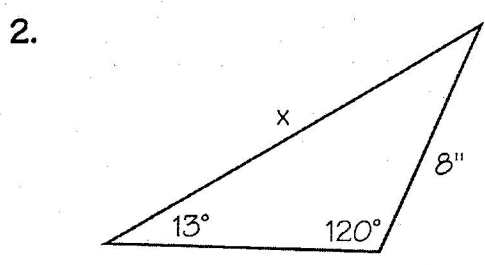
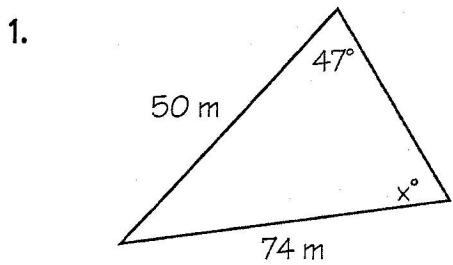


"Why do ghosts go to baseball games?"

Solve for the missing lengths and angles. Round your answers to the nearest tenth. The answer to each problem will match a letter that will allow you to figure out the joke.



- O: 119.4
- A: 71.3
- H: 30.8
- B: 34.6
- S: 11.5
- M: 29.6
- N: 22.3/157.7
- I: 17.9
- T: 22.9
- R: 93.3
- E: 37.8/142.2
- W: 65.5
- P: 22.5
- G: 15.4/164.6
- U: 18.5
- Y: 73.8

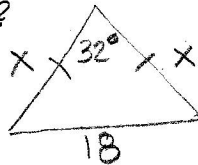
- 5. $a = 18, c = 13, \angle A = 32^\circ, \angle C =$ _____
- 6. $c = 22, \angle B = 48^\circ, \angle C = 62^\circ, b =$ _____
- 7. $a = 12, b = 10, \angle A = 43^\circ, \angle B =$ _____
- 8. $a = 31, b = 38, \angle A = 30^\circ, \angle B =$ _____
- 9. $b = 27, \angle A = 50^\circ, \angle B = 75^\circ, c =$ _____
- 10. $a = 5, b = 8, \angle B = 38^\circ, \angle C =$ _____

_____ _____ _____ _____ _____ _____ _____
 9 10 7 10 10 9 2 8
 _____ _____ _____ _____ _____ _____
 6 1 5 3 4 8

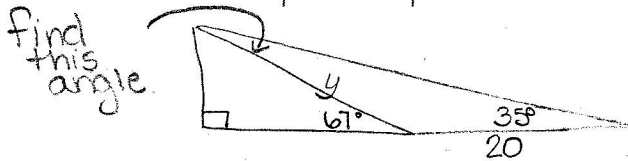
"What do you call a person who jumps off a Paris bridge?"

Solve the following word problems. Round your answers to the nearest tenth. The answer to each problem will match a letter that will allow you to figure out the joke.

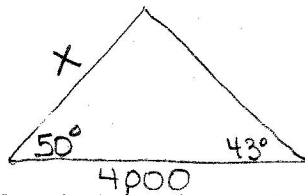
1. A baseball pennant is in the shape of an isosceles triangle. The base is 18" long. The sides meet at an angle of 32° . How long are the sides?



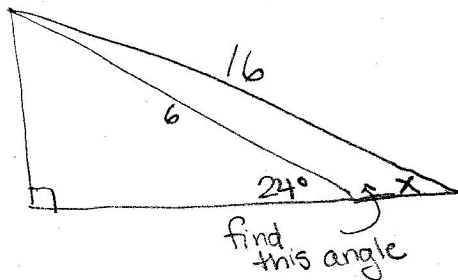
2. A guy wire to a telephone pole makes a 67° angle with the ground. At a point 20 ft. farther out from the guy wire, the angle of elevation of the top of the pole is 35° . How long is the guy wire?



3. A fire is sighted from two ranger stations that are 4,000 m apart. The angles of observation to the fire measure 50° from one station and 43° from the other station. Find the distance along the line of sight to the fire from the closer of the two stations.



4. A loading ramp 6 m long makes a 24° angle with the level ground beneath it. The ramp is replaced by another ramp 16 m long. Find the angle that the new ramp makes with the ground.



K: 340.2

E: 34.7

N: 32.7

L: 2,460.6

S: 8.8

O: 43.9

P: 199.2

E: 21.6

Y: 75.6

I: 2,731.7

T: 4.9

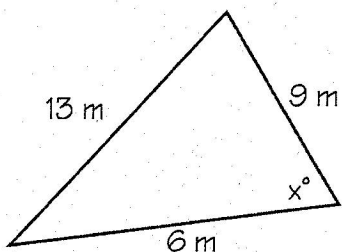
W: 30.5

4 3 2 1 2

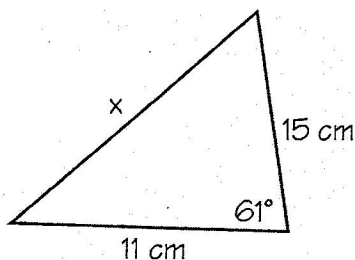
“What do prisoners use to call each other?”

Solve for the missing lengths and angles. Round your answers to the nearest tenth. The answer to each problem will match a letter that will allow you to figure out the joke.

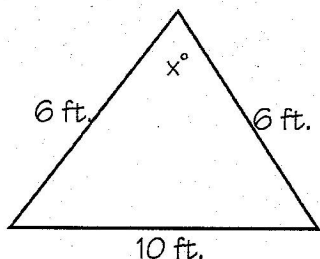
1.



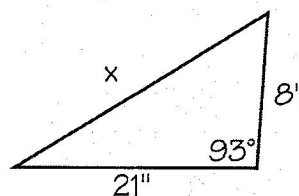
2.



3.



4.



5. $a = 10, b = 12, c = 17, \angle B =$ _____

6. $a = 5, c = 9, \angle B = 60^\circ, b =$ _____

7. $a = 20, b = 8, c = 14, \angle C =$ _____

8. $b = 17, c = 6, \angle A = 75^\circ, a =$ _____

T: 24.7

P: 16.5

A: 18.3

N: 13.6

K: 110.5

H: 7.8

B: 44.7

C: 33.1

S: 22.9

U: 123.1

L: 43.9

E: 112.9

D: 64.5

O: 118.8

W: 42.6

7

3

5

5

8

6

1

2

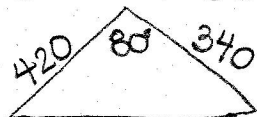
3

4

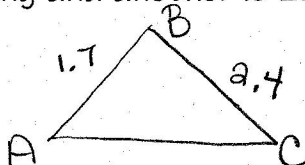
"What kind of street does a ghost like best?"

Solve the following word problems. Round your answers to the nearest tenth. The answer to each problem will match a letter that will allow you to figure out the joke.

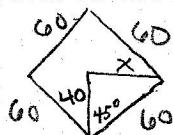
1. Two airplanes leave the same airport at the same time. The first plane flies 170 km/h in a direction of 300° . The second plane flies 210 km/h in a direction of 220° . After two hours, how far apart are the planes? $300 - 220 = 80^\circ$ $2(170) = 340$ $2(210) = 420$



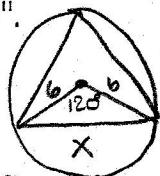
2. A piece of wire 6.2 ft. long is bent into a triangular shape. One side is 1.7 ft. long and another is 2.4 ft. long. Find the angles of the triangle.



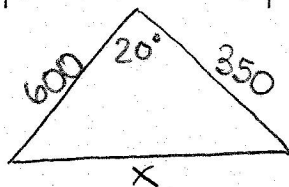
3. A pee wee baseball diamond is a square, each side being 60 ft. long. The pitcher's mound is 40 ft. from home plate. How far is the pitcher's mound to first base?



4. What is the perimeter of a equilateral triangle inscribed in a circle with a radius of 6".



5. Plane A has been flying for an hour and a half at 400 mi/h heading 130° from the Indianapolis International Airport. Plane B has been flying for one hour at 350 mi/h heading 150° from the same airport. How far apart are the two planes? $150^\circ - 130^\circ = 20^\circ$ $1.5(400) = 600$



I: 435.6

M: 45.7

O: 34.1

D: 492.3

J: 305.4

E: 31.2

N: 42.5

S: 73.5

42.6

63.9

D: 296.4

Y: 56.8

A: 77.5

43.8

58.7

W: 291.1

2

5

4

2

1

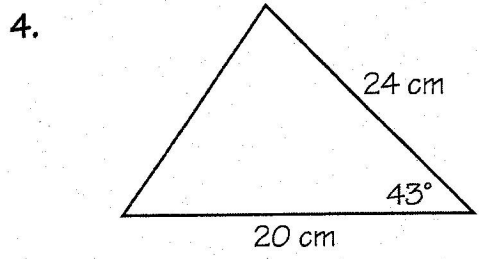
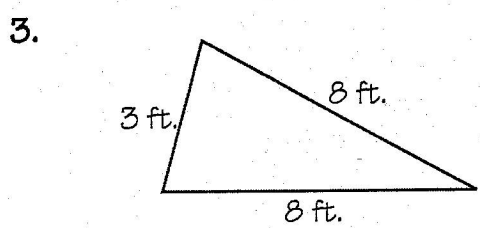
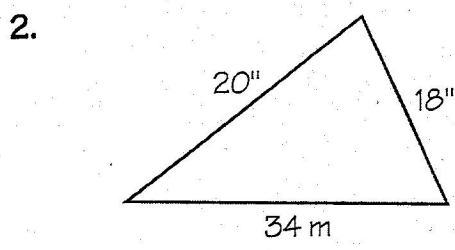
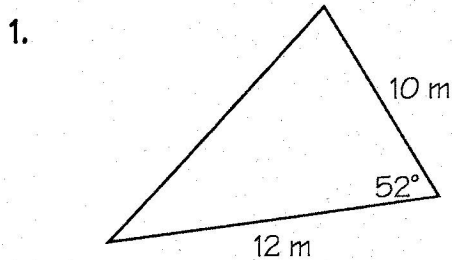
4

3

5

"What lies at the bottom of the ocean and twitches?"

Find the area of the triangles. Round your answers to the nearest tenth. The answer to each problem will match a letter that will allow you to figure out the joke.



5. $a = 14, b = 12, \angle C = 100^\circ$

6. $a = 13, b = 24, c = 15$

7. $a = 5, b = 9, c = 10$

8. $b = 13, c = 20, \angle A = 52^\circ$

9. $a = 23, c = 17, \angle B = 32^\circ$

10. $a = 34, b = 8, c = 28$

11. $a = 3, b = 12, c = 10$

- U: 82.7
- I: 74.1
- V: 47.3
- T: 154.0
- W: 81.3
- A: 102.4
- D: 24.9
- S: 144.0
- K: 86.2
- Y: 19.5
- N: 103.6
- O: 11.8
- J: 105.8
- R: 163.7
- E: 22.4
- C: 12.2

8 9 7 4 1 3 5 2

10 4 7 11 6