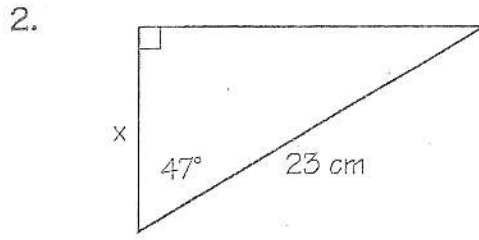
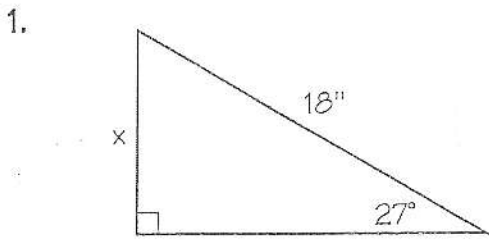


"What is a pessimist's blood type?"

Solve the following missing lengths. 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.

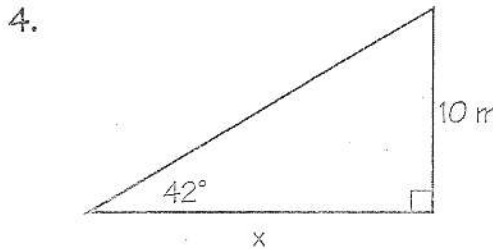
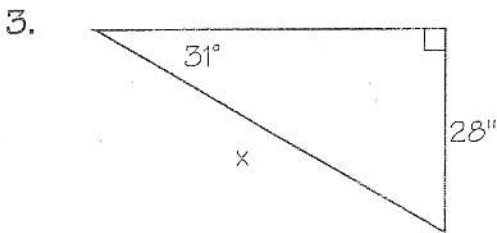


S: 12.3

B: 20.9

V: 30.9

G: 11.1

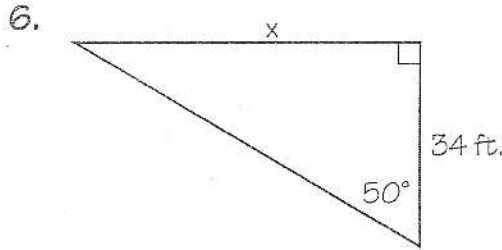
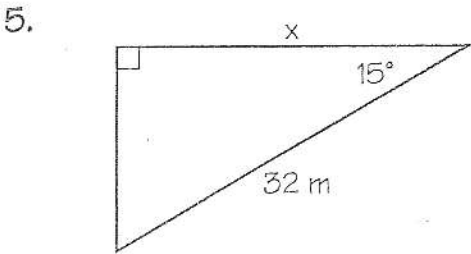


U: 50.6

A: 8.2

T: 15.7

O: 6.5

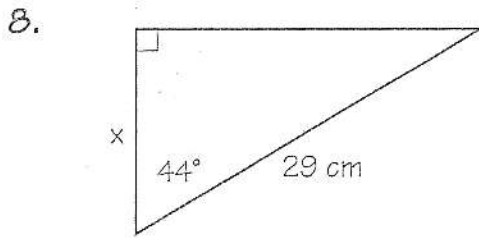
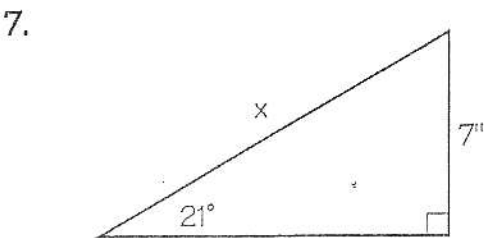


N: 19.5

R: 10.7

I: 54.4

W: 0.3

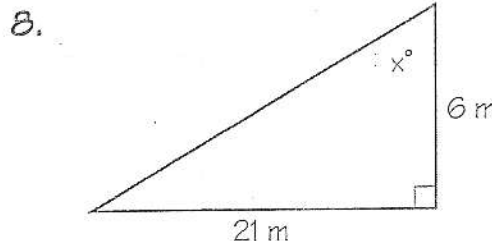
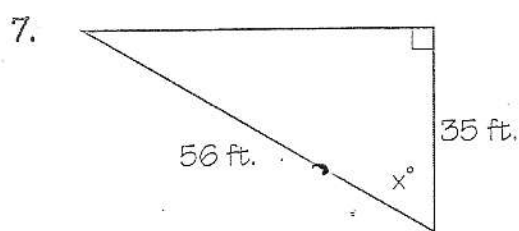
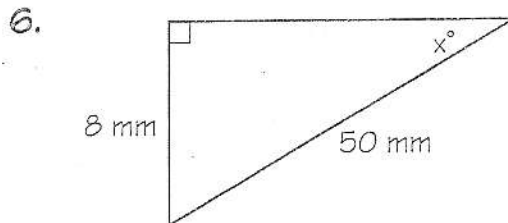
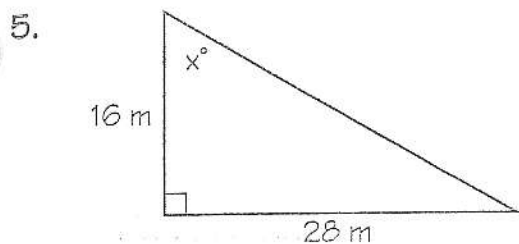
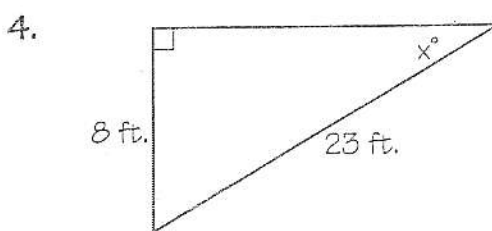
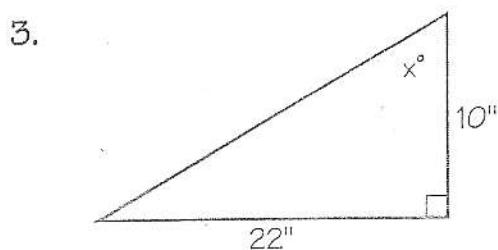
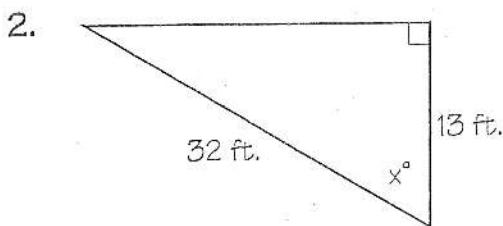
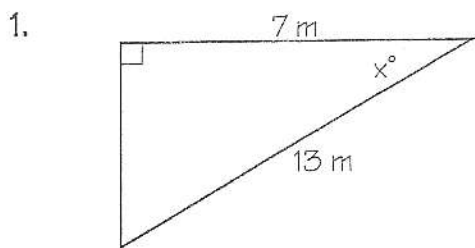


E: 40.5

8 7 6 4 2 1 3 5 6

"What type of hair-do do sea captains hate?"

Solve the following missing 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.

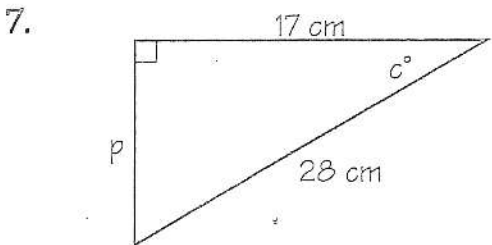
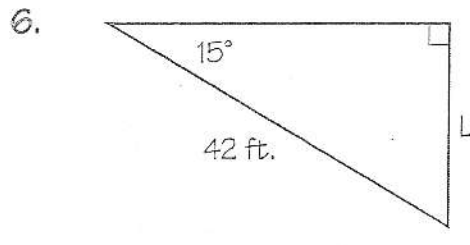
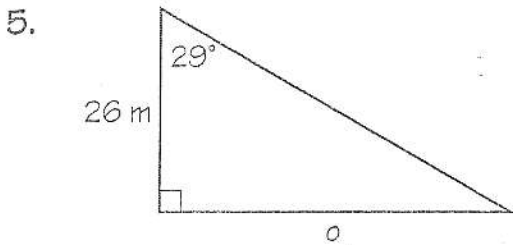
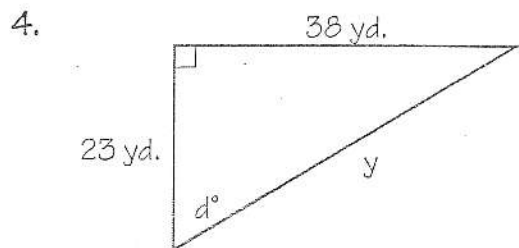
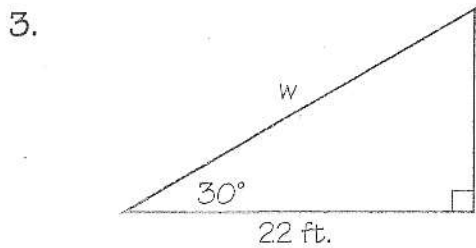
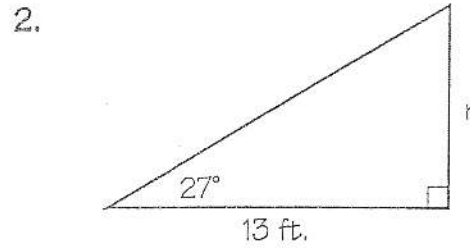
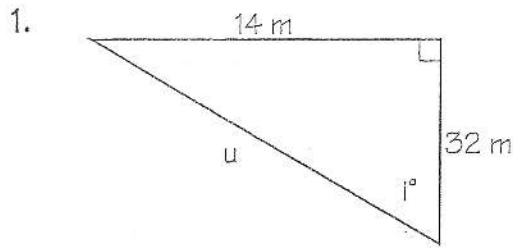


- W: 51.3°
- A: 17.5°
- S: 57.4°
- C: 74.1°
- D: 35.1°
- T: 60.3°
- R: 20.4°
- V: 47.2°
- U: 65.6°
- B: 11.1°
- C: 9.2°
- E: 66.0°
- K: 0.9°

8 4 2 7 6 3 5 1

"What makes headlines?"

Solve the following 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.

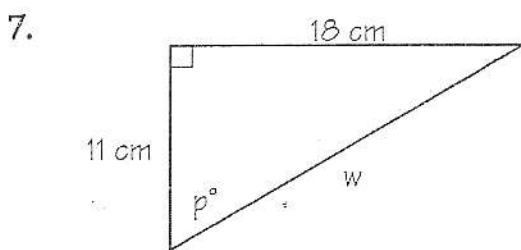
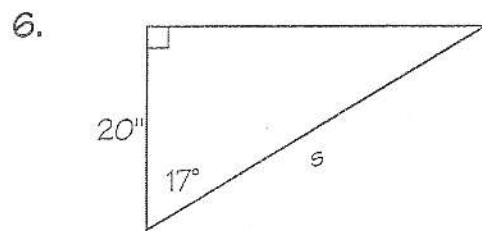
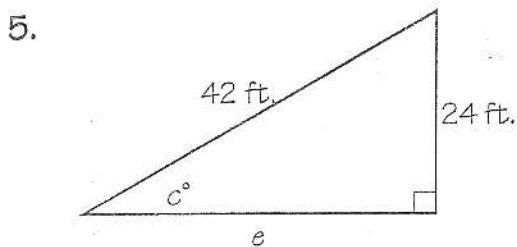
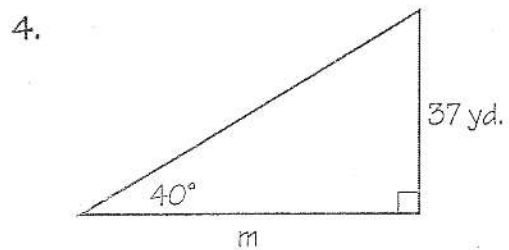
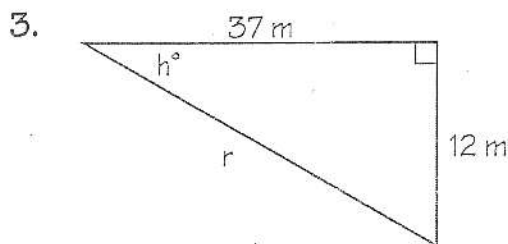
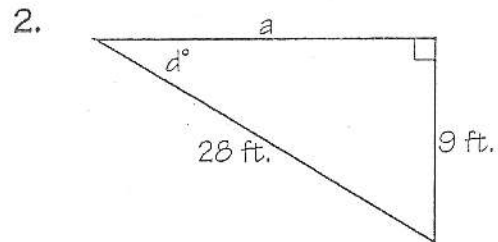
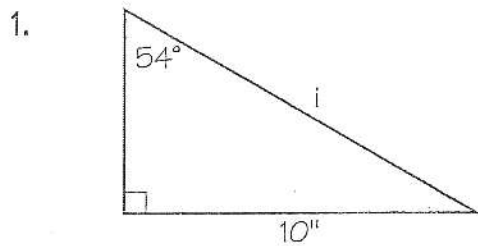


28.2 52.6 14.4 6.6 58.8 34.9 6.6 14.4 44.4 13.8

22.2 23.6 10.9 10.9 14.4 25.4 37.6 18.3

"What tops off a ghost's sundae?"

Solve the following 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.



21.1 18.0 12.4 58.6 58.6 34.5 18.7

20.9 34.8 38.9 34.5 26.5 44.1

"How does a backward poet write?"

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.

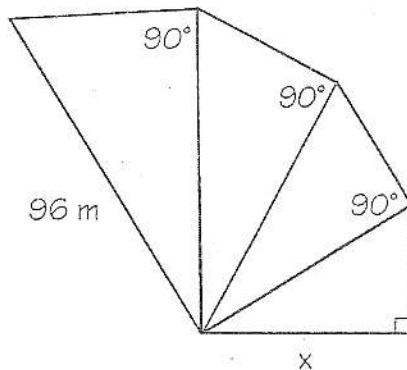
1. A building's angle of elevation from a point on the ground 60 ft. from its base is 32° . What is the height of the building?
T: 66.3
E: 202.3
A: 101.6
I: 16.9
S: 37.5
2. A 16-ft. ladder is leaning against a house. The ladder's angle of elevation is 47° . How far above the ground is the top of the ladder?
W: 153.2
N: 57.7
U: 73.9
3. What is the angle of elevation of the sun when a 57" person casts a 36" shadow?
R: 11.7
P: 45.5
V: 14.5
D: 10.1
4. A balloon has an angle of elevation of 54° from a point on the ground. From the point on the ground to the balloon, the distance is 250 ft. How far up in the air is the balloon?
5. A kite is 50 m high when 200 m of string is out. What angle does the kite string make with the ground?
6. A table shaped like a parallelogram has sides of 3 ft. and 6 ft. One angle on the table is 70° . Find the area of the table.

6 3 5 4 2 1 4

"Who is always putting everyone down?"

Solve the following word problems. Round your answers to the nearest tenth. Cross out the letter that matches your answer. The remaining letters will allow you to figure out the joke.

- How far from the base of a house is the bottom of a 25-ft. ladder that makes an angle of 65° with the ground?
- If a person 6 ft. tall has a shadow of 54", then what is the angle of elevation of the sun?
- The following triangles are all $30^\circ - 60^\circ - 90^\circ$ triangles. Find the length of x .



- From a point 200 yds. from the base of a cliff, the angles of elevation to the top and bottom of a lighthouse on top of the cliff are 60° and 58° . How tall is the lighthouse?

B G E R A V N I T S Y
 26.3 18.4 54 63.2 10 8.4 10.6 9.5 67.3 53.1 7.4

Answer: _____