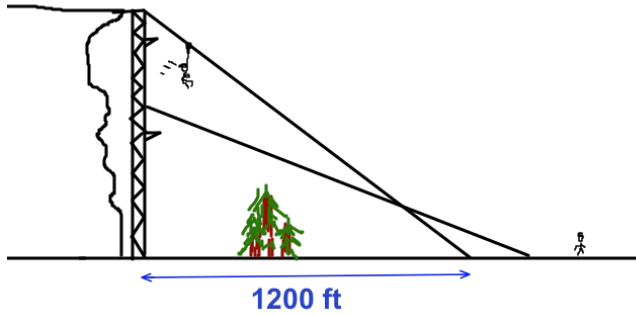


Chapter 9 Practice Test Pt 2

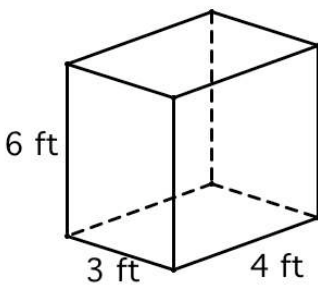
Name _____

1. The “Great Adventures” nature park is constructing two zip lines for people to ride down from a cliff. They have two different 1300 ft cables that they will use to create two different rides. The expert course from the top of the cliff carries the rider a distance 1200 ft. from the base of the cliff. There is a second ride that starts 200 feet lower for beginners. Using a cable of the same length (1300 ft.), how much farther will the beginners ride carry the rider compared to the expert ride? Round your answer to the nearest foot.

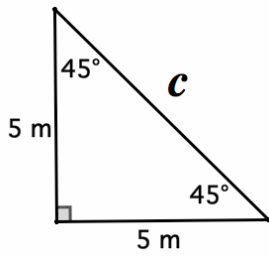


2. A rectangular garden that is 6 m wide has a diagonal that is 12.9 m long. What is the perimeter of the garden? (Round your answer to the nearest tenth of a meter).

3. Jamar has a large rectangular box that is 3 ft x 4 ft x 6 ft. Will this box fit a pipe that is 7.5 ft. long? Determine the length of the longest straight object that can fit in Jamar’s box and show how you know whether the pipe will fit or not.

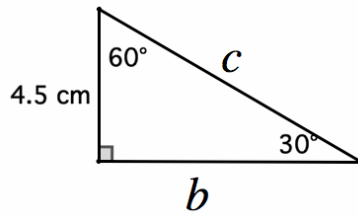


4.



c = _____

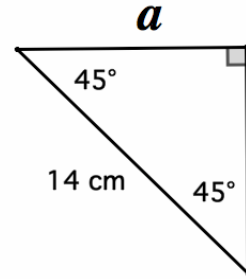
5.



b = _____

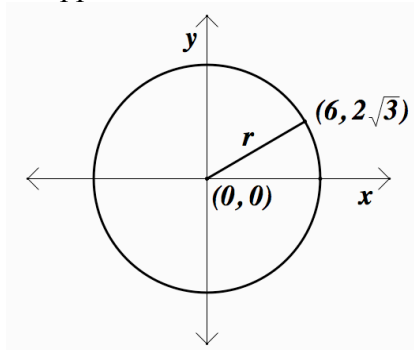
c = _____

6.



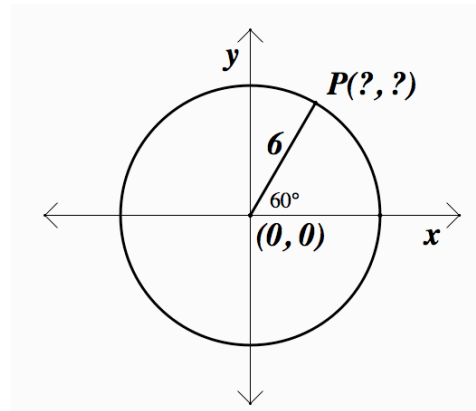
a = _____

7. Find the length of the radius of the circle.
Find the exact length. Simplify any square
Roots. **DO NOT** use decimal
approximations.



r = _____

8. Find the coordinates of point P.



P = (,)

9. Find the Perimeter of Triangle ABC with vertices at **A(-2, 5)**, **B(-14, -4)**, **C(8, 0)**.
Use decimal approximations if necessary, rounding your answers to the nearest tenth.