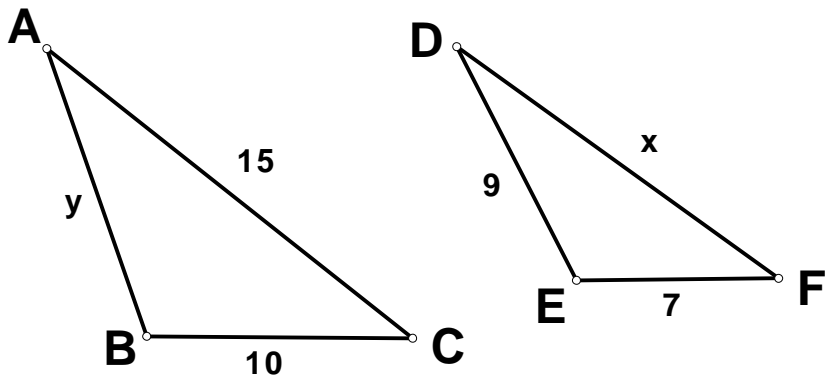


Final Exam Review Semester 2 Geometry CP 2

1) $\frac{3}{x-1} = \frac{7}{x}$

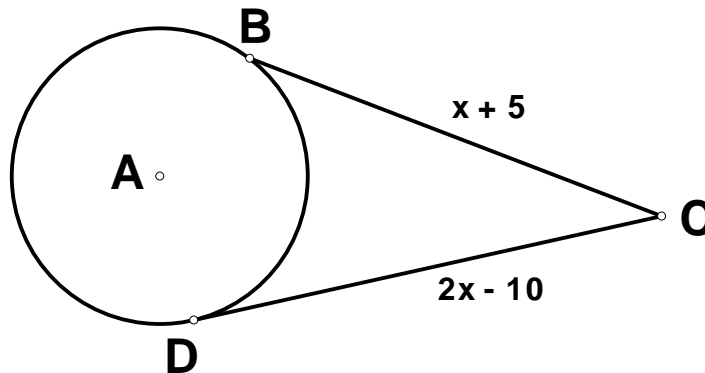
2) The geometric mean of 7 and 12 _____.

3) Solve for x and y

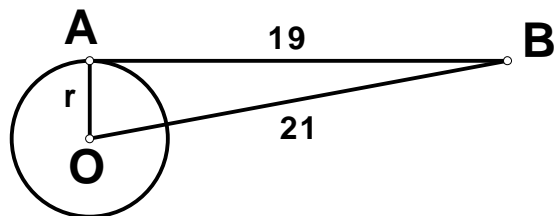


4) An equilateral triangle has side lengths of 10. The length of the altitude is _____.

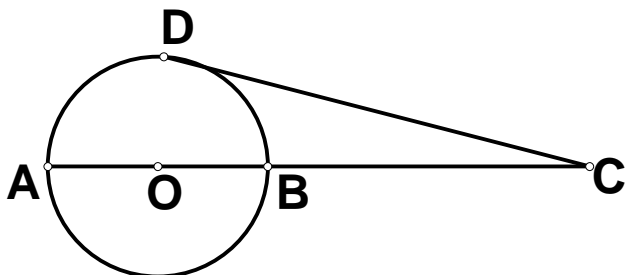
5) Find the value of x



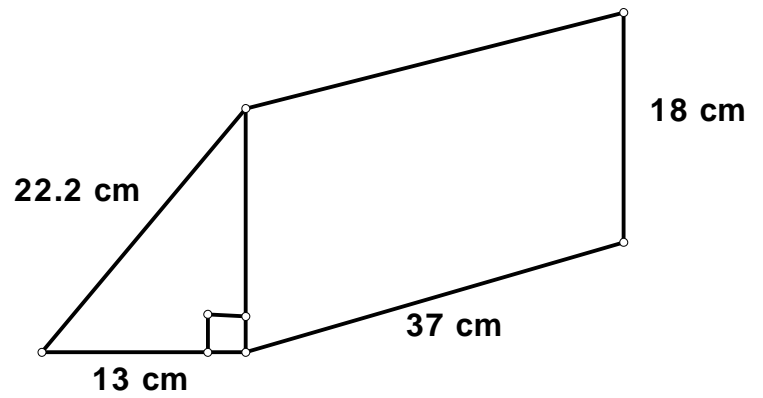
6) You are standing at point B. Point B is 21 feet from the center of the circular water storage tank and 19 feet from point A. \overline{AB} is tangent to the circle with center O at point A. Find the radius of the tank.



7) Find the diameter of the circle. $BC = 17$ and $DC = 24$. Round your answer to the nearest tenth.



8) Find the surface area of the triangular right prism.



9) Classify a triangle with side lengths 50, 99, and 70.

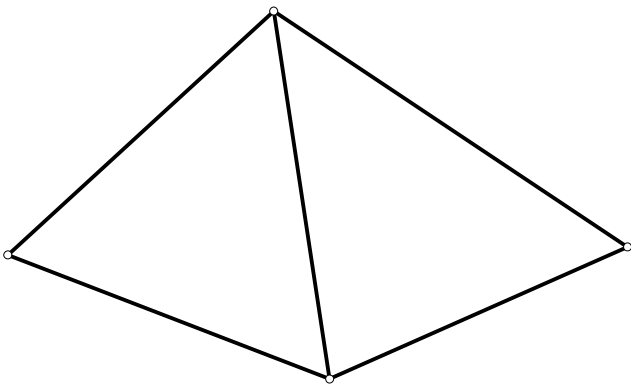
10) Find the surface area of a sphere that has a diameter of 12 cm.

11) Find the volume of a sphere 14 ft in diameter.

12) Be able to determine if 3 numbers can be the actual side lengths of a triangle.

13) Find the surface area of a cylinder with a radius of 4ft and a height of 7 ft.

14) The pyramid shown has a square base. Find the total surface area to the nearest tenth.



15) Solve for x

