## Pythagorean Theorem Challenge questions

1. A circle is inscribed in an equilateral triangle of length 6 .

Find the radius of the circle

2. A vertical pole AB measuring 5 m snaps at point C . The pole remains in contact at point C and the top of the pole touches the ground at point T , a distance of 3 m from point A. Find AB

3. A slide is made by joining a 6 foot ladder to an 8 foot chute at right angles. Find the vertical height of the pole

4.


Determine the distance between the start and the plane crash.

