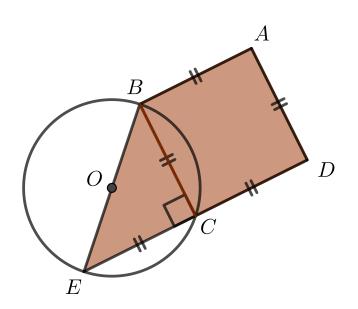


Problem of the Week Problem C A Circle and Other Shapes

Quadrilateral ABED is made up of square ABCD and right isosceles $\triangle BCE$. BE is a diameter of the circle with centre O. Point C is also on the circle. If the area of ABED is 24 cm², what is the length of BE?



The *Pythagorean Theorem* states, "In a right triangle, the square of the length of hypotenuse (the side opposite the right angle) equals the sum of the squares of the lengths of the other two sides".

In the following right triangle, $p^2 = r^2 + q^2$.



STRANDS GEOMETRY AND SPATIAL SENSE, MEASUREMENT

