$45^\circ-45^\circ-90^\circ$ & $30^\circ-60^\circ-90^\circ$ TRIANGLES

Find the indicated length for each of the following.

1.	The length of a diagonal of a square is $10\sqrt{2}$ inches. Find the length of one side of the square.
2.	The length of an altitude of an equilateral triangle is $\frac{\sqrt{3}}{2}$ feet. Find the length of one side of the triangle.
3.	The perimeter of a square is 44 meters. Find the length of a diagonal of a square.
4.	The length of one side of a square is 13 centimeters. Find the length of a diagonal of the square.
5.	The length of the diagonal of a square is 10 inches. Find the length of one side of the square.

6.	The length of one side of an equilateral triangle is $6\sqrt{3}$ meters. Find the length of one altitude of the triangle.
7.	The length of an altitude of an equilateral triangle is 12 feet. Find the length of a side of the triangle.
8.	The perimeter of an equilateral triangle is 39 centimeters. Find the length of the altitude of the triangle.
9.	The length of a diagonal of a square is $18\sqrt{2}$ millimeters. Find the perimeter of the square.
10.	The altitude of an equilateral triangle is 6 meters long. Find the perimeter of the triangle.



