Special Triangles 45-45-90
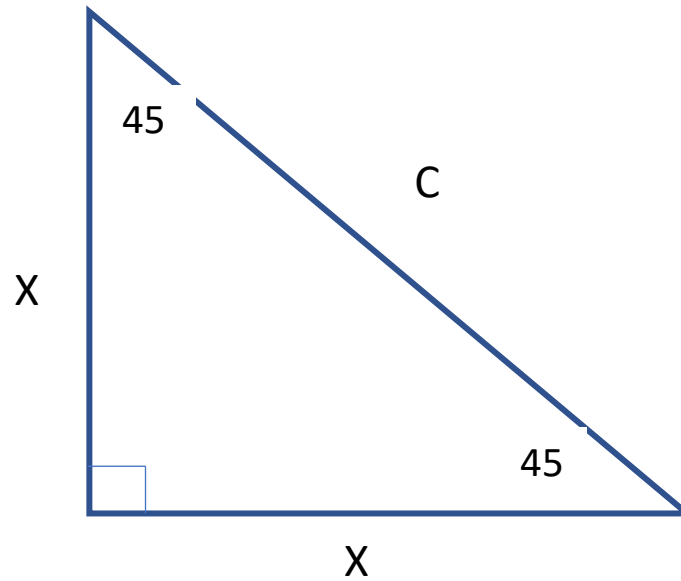
From and isosceles right Δ

$$X^2 + X^2 = C^2 \qquad\qquad C = \sqrt{2}\,x$$