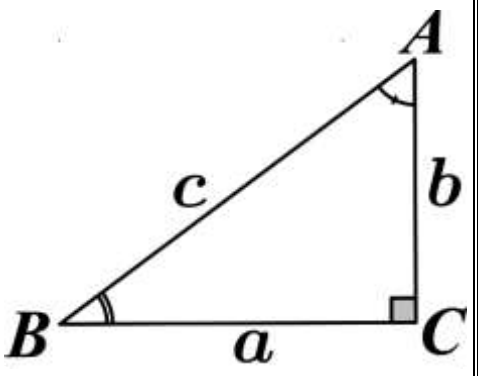
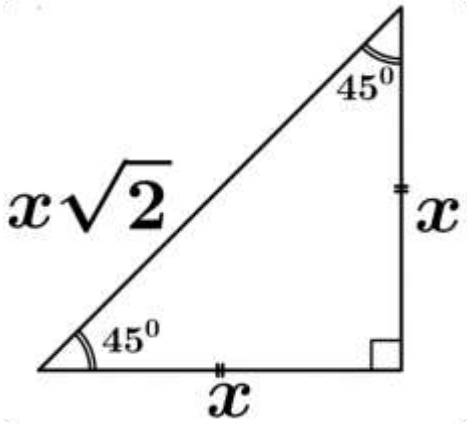
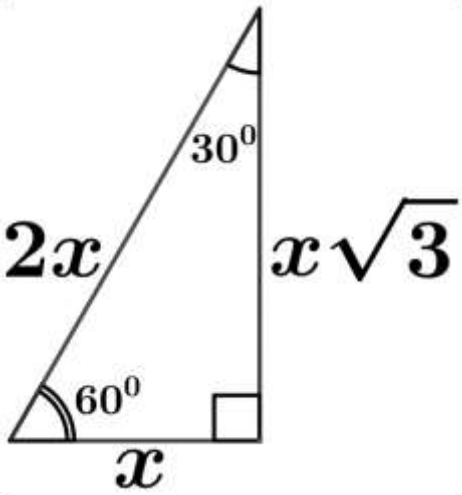
Special Triangles

Pythagorean theorem	$45^\circ : 45^\circ : 90^\circ$ Δ $x : x : x\sqrt{2}$	$30^\circ : 60^\circ : 90^\circ$ Δ $x : x\sqrt{3} : 2x$
$a^2 + b^2 = c^2$ 		

θ	30°	45°	60°
$\sin\theta$	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
$\cos\theta$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$
$\tan\theta$	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$