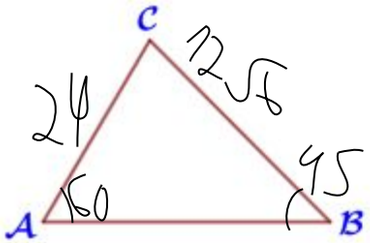

15. В треугольнике ABC угол A равен 60°, угол B равен 45°, $BC = 12\sqrt{6}$. Найдите AC.

Ответ: 24.

a/sinA=b/sinB=c/sinC

12V6/sin60=x/sin45
12V6/(V3/2)=x/(V2/2)
12V6/1*2/V3=x/1*2/V2
12V6/1*2/V3=x/1*2/V2
24V6/V3=2x/V2
24V2=2x/V2
2x=24V2*V2
2x=24*2
2x=48
x=48/2
x=24

0	½	V2/2	V3/2	1
V0/2	V1/2	V2/2	V3/2	V4/2
sin0	sin30	sin45	sin60	sin90
cos90	cos60	cos45	cos30	cos0