	If PQR be a triangle of area $\Delta$ with a = 2, b = 7/2 and c = 5/2, where a,
	b and c are the lengths of the sides of the triangle opposite to the angles
	at P, Q and R, respectively. Then (2 sin P – sin 2P)/(2 sin P + sin 2P) is
	equal to
	a) 3/4\triangle
	(b) 45/4 <u>\(\Delta\)</u>
	(c) (3/4\D)2
	(d) (45/4∆)5
solution	Given a = 2, b = 7/2 and c = 5/2
	s = (a + b + c)/2
	= 4
	$(2 \sin P - \sin 2P)/(2 \sin P + \sin 2P) = (2 \sin P - 2 \sin P \cos P)/(2 \sin P)$
	+ 2 sin P cos P)
	= 2 sin P(1 - cos P)/2 sin P(1 + cos P)
	= (1 - cos P)/(1 + cos

	P)
	= 2 sin2 (P/2)/2 cos2 (P/2)
	= tan2 (P/2)
	= (s - b)(s - c)/s(s - a) (since tan (P/2) = \( ((s - b)(s - c)/s(s - a))
	= $(s - b)2(s - c)2/s(s - a)(s - b)(s - c)$ (multiply numerator and denominator by $(s - b)(s - c)$ )
	= (4 - 7/2)2(4 - 5/2)2/\(\Delta\)2
solution	= (½ ×3/2)2/\(\Delta\)2
	<i>= (3/4∆)2</i>