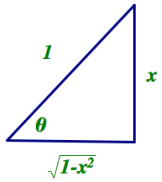
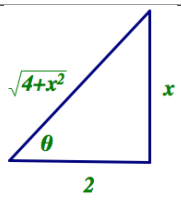
Use this trig	if you see this & w-sub fails	pic	reduced radical	via algebra	via pic
$x = a\sin\theta$ $dx = a\cos\theta d\theta$	$\sqrt{a^2 - x^2}$		$a\cos\theta$	$\sqrt{a^2 - a^2\sin^2\theta}$ $= \sqrt{a^2(1 - \sin^2\theta)}$ $= \sqrt{a^2(\cos^2\theta)}$ $= \sqrt{(a\cos\theta)^2}$ $= a\cos\theta$	$\cos\theta = \frac{\sqrt{a^2-x^2}}{a}$ mult by a
$x = a\tan\theta$ $dx = a\sec^2\theta d\theta$	$\sqrt{a^2 + x^2}$		$a\sec\theta$	$\sqrt{a^2 + a^2\tan^2\theta}$ $= \sqrt{a^2(1 + \tan^2\theta)}$ $= \sqrt{a^2(\sec^2\theta)}$ $= \sqrt{(a\sec\theta)^2}$ $= a\sec\theta$	$\sec\theta = \frac{1}{\cos\theta}$ $\sec\theta = \frac{\sqrt{a^2+x^2}}{a}$ mult by a

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