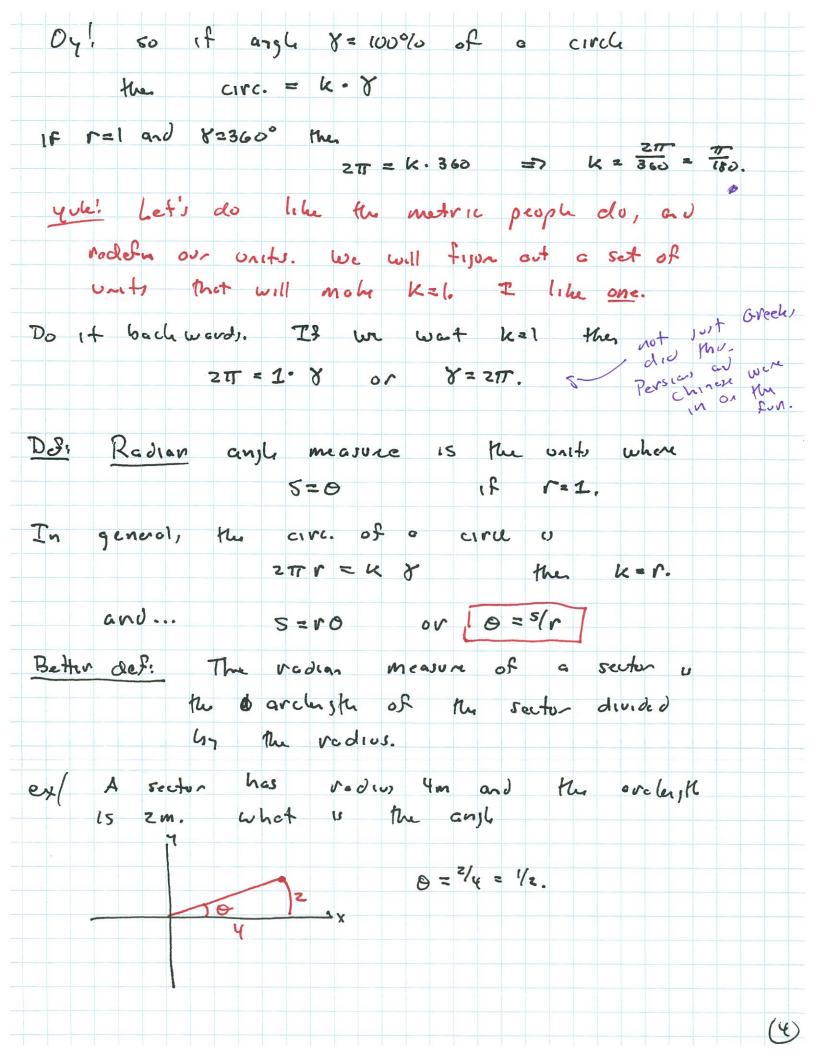
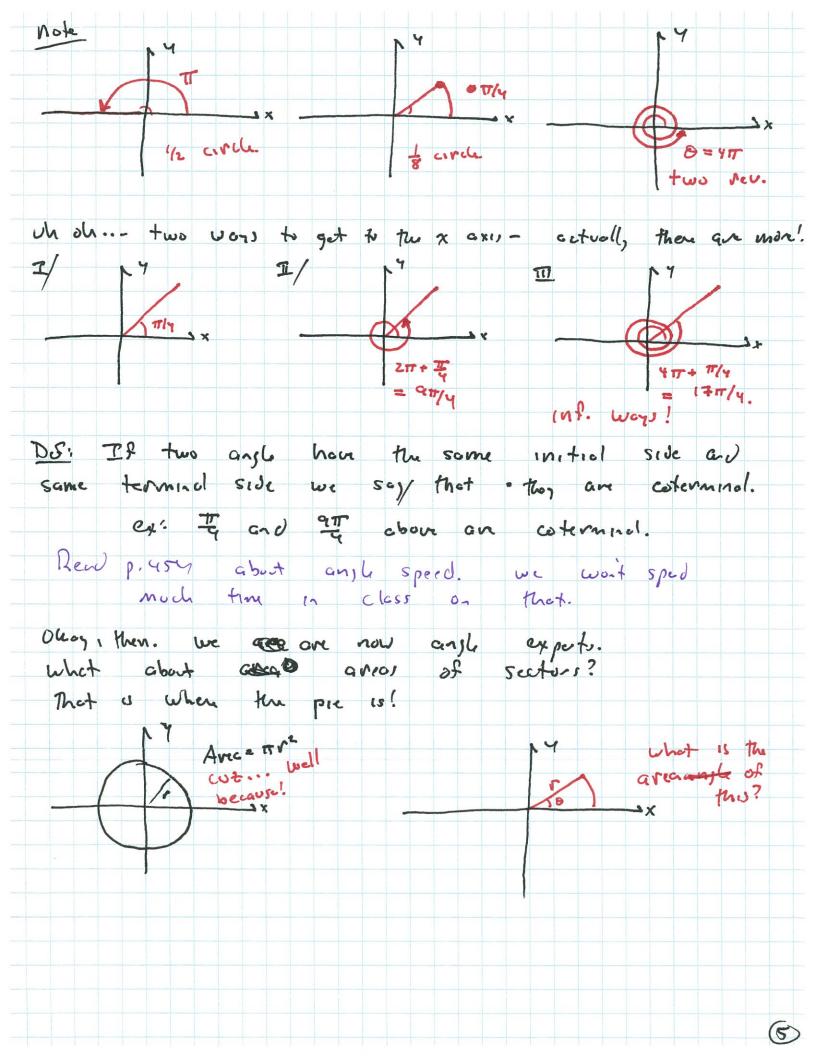
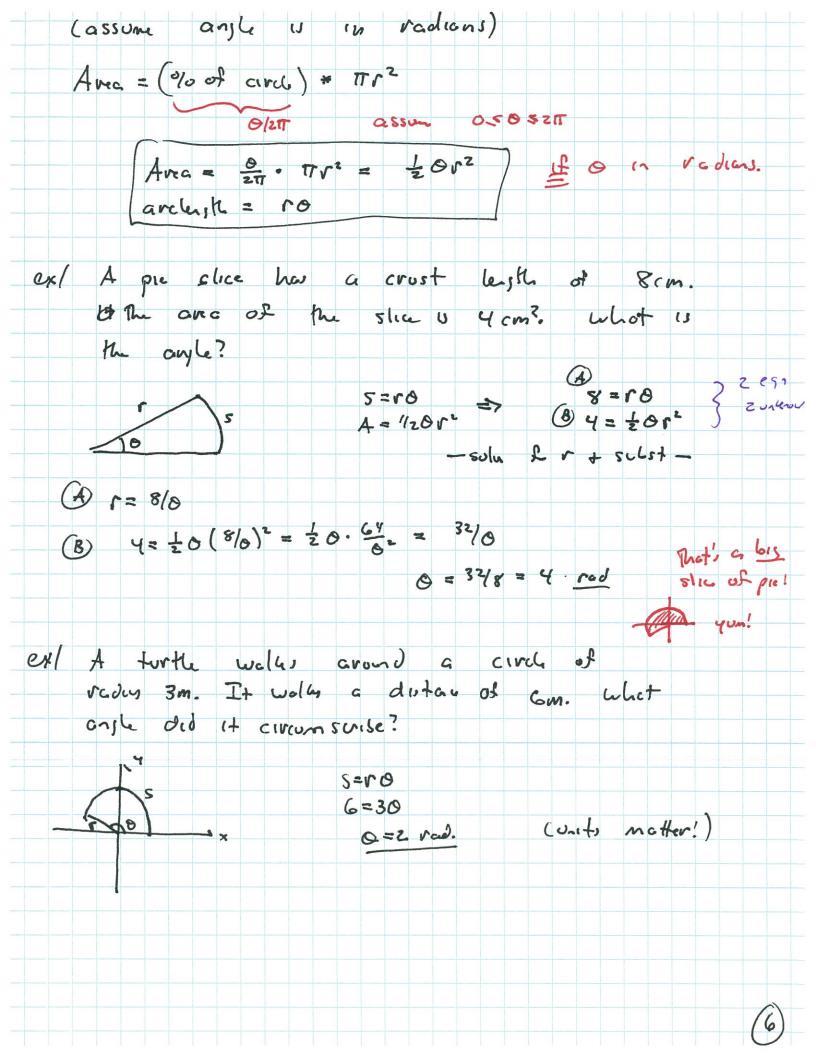


Wait, why 3600? That makes no sense. Is the some kind of idolatry? yes. yes it is. Actually, they used 360° back in the good old days cuz it was easily divisible by a lot of numbers. we now how colculators. We can do better! - The idea - Geometry is good! - let's keep things physical. at (r,0) and walks around The edge of a circle of radio r centered at the origin. - If you double the gut's dist. The onle - If you halve the continuit the angle is out in half. > The archesth of the sector of rodew r ad ash a is proportional to the angle O. a sector is a stra of a circle of redus of and angle Q. 5 15 the corderath of is the leasth of the ortside edge. 50, 5 15 prop. to 0. => 5= k0 when le 11 a constat. wait a second, a bunch of dead greek guys say that the circumfrence of a circle is zor. arcleth of a full circle.







Okay, Thu is wonderful. What if my loser rosmate wats everything in degrees? Then what? + Best option. 1 Get a new rounch * (II) Convert the onits! i) give roomete long lecture on why aly loseus ou degrées. (i) recognihe that rad to do, is a linea fon. $0^{\circ} = 0red$ (0,0) (XGS/ZXV) (ZT, 360) 360° = 217 rod $5 \log x = \frac{360-0}{277-0} = \frac{180}{17}$ ared $D_{eg} - O = \frac{180}{17} (red-0)$ de) = 180/1. rad. rad = Theo deg. alsu ex/ An angle is measoned to be 30°. what is it in radians? Rad = IT. des. = T, 30 = T/6 rad.

TF16 ×

