Difficilis topology

Nasir Germain’s new spin on on mathematics

A quick video on Difficilis topology

Basic knowledge of Difficilis topology

- need to know algebra
- Need to know geometry
- Quadratics will be frequently used
- Need to know alpha squared by beta equation

Alpha squared by beta

- A solved equation by alpha squared by beta Best **Answer – I'll do it in a and b because I can't use alpha and beta.you need to look at the expansion of (a+b)^2(a+b)^2 = a^2 +2ab + b^2= a^2 +b^2 +2ab if you rearrange it. ok: b/a+a/b needs a common denominator to add which will be a*bso b/a needs to be multiplied (top and bottom) by b and a/b needs to be multiplied by a which gives b*b/ab + a*a/ab or (b^2+a^2)/abusing the two values given: a+b =7/4so (a+b)^2 = (7/4)^2 = 49/16 a*b = -15/8 so 2ab = - 2(-15/8) or -30/8b^2+a^2 = (a+b)^2 - 2ab from the expansion above where the 2ab is moved to the other side so the top of the fraction becomes49/16 - (-30/8) (from the two parts above) which is 49/16 + 60/16=109/16the denominator is a*b which is -15/8so we get 109/16 divided by -15/8change to multiply and reverse the -15/8109/16 * -8/15the 8 and 16 will cancel 1 and 2so you get -109/(2*15) = -109/30**