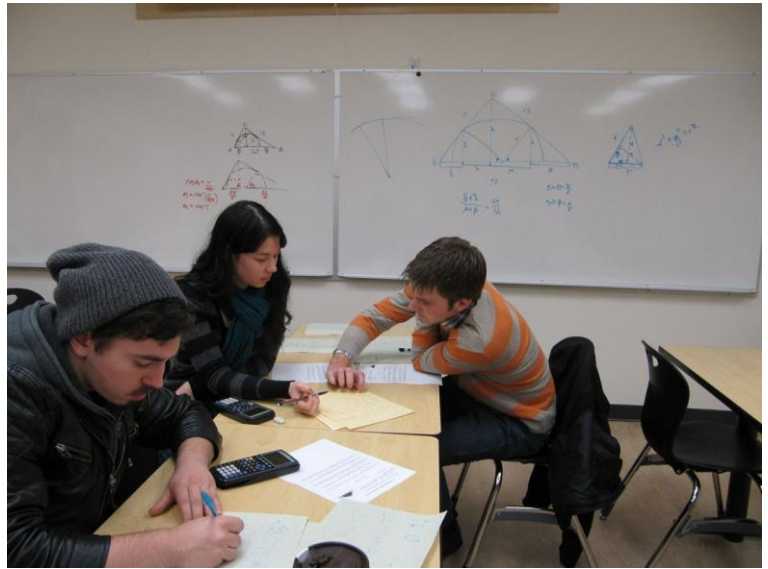


4th Annual Math Match 2013



ANNUAL MATH MATCH!

$$a, a+2, a+4, a+6$$

$$(a^2+2a)(a+4)(a+6)+16$$

$$= (a^3+6a^2+8a)(a+6)+16$$

$$= a^4+12a^3+44a^2+48a+16$$

$$= (a^2+a+4)(a^2+6a+4)$$

$$(a-3)(a-1)(a+1)(a+3)+16$$

$$(a^2-1)(a^2-9)+16$$

$$a^4-10a^2+25 = (a^2-5)^2$$

