Lab 9 COIS 3400 Relational Algebra Query Solutions

Find the sids of students who have enrolled in course Calculus.  
π\_sid(σ\_cname='Calculus'(Courses1) ⨝ Enrollment)

Find the names of students who have enrolled in course Calculus.  
π\_sname(σ\_cname='Calculus'(Courses1) ⨝ Enrollment ⨝ Students)

Find the names of students who have enrolled at least one course.  
π\_sname(Students ⨝ Enrollment)

Find the names of students who have enrolled in Calculus or Algebra.  
π\_sname(σ\_cname='Calculus' ∨ cname='Algebra'(Courses1) ⨝ Enrollment ⨝ Students)

Find the sids of students who have enrolled in all courses (both Courses1 and Courses2).  
π\_sid(Students) - π\_sid(Students ⨝ Enrollment ⨝ (Courses1 ∪ Courses2))