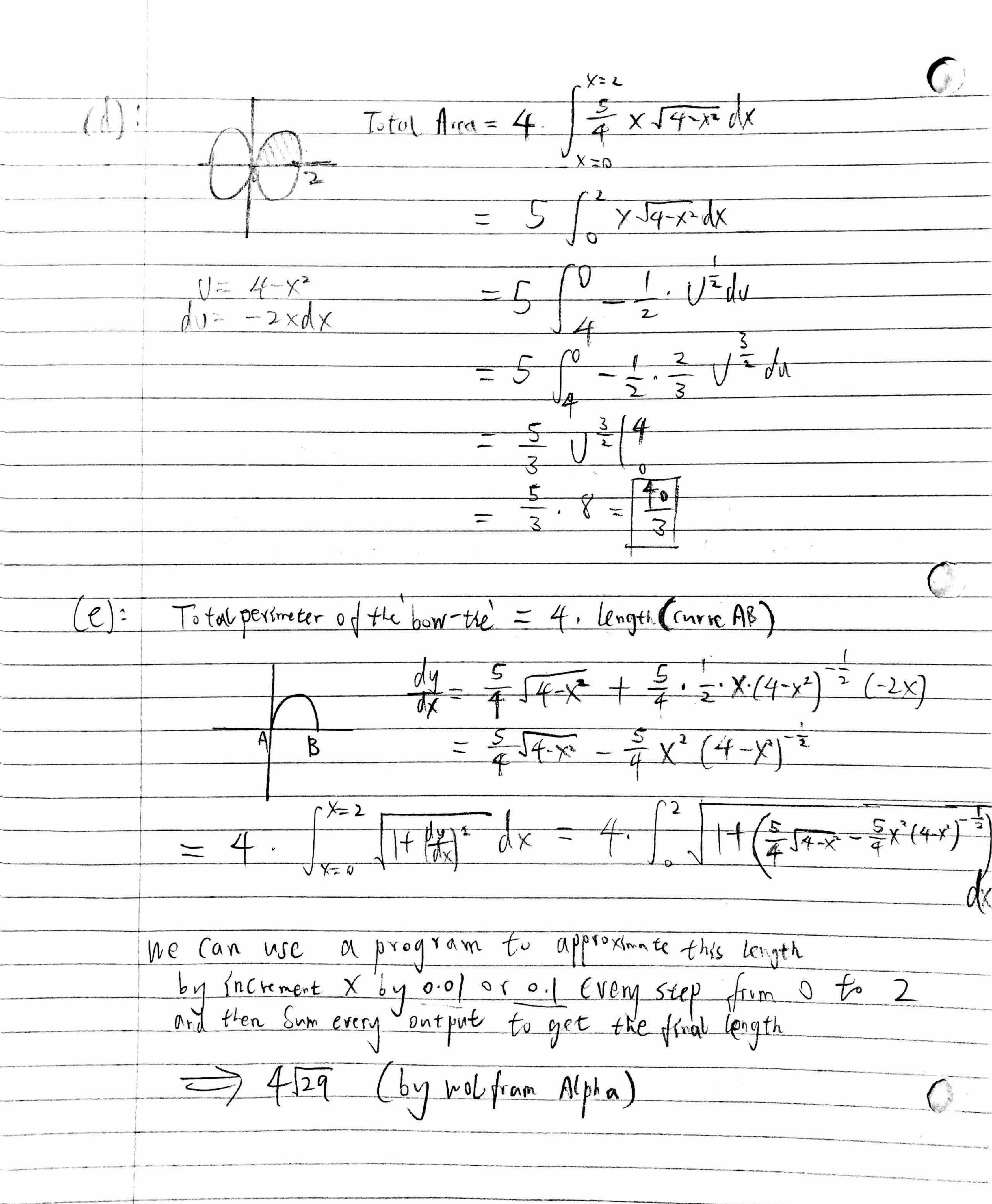
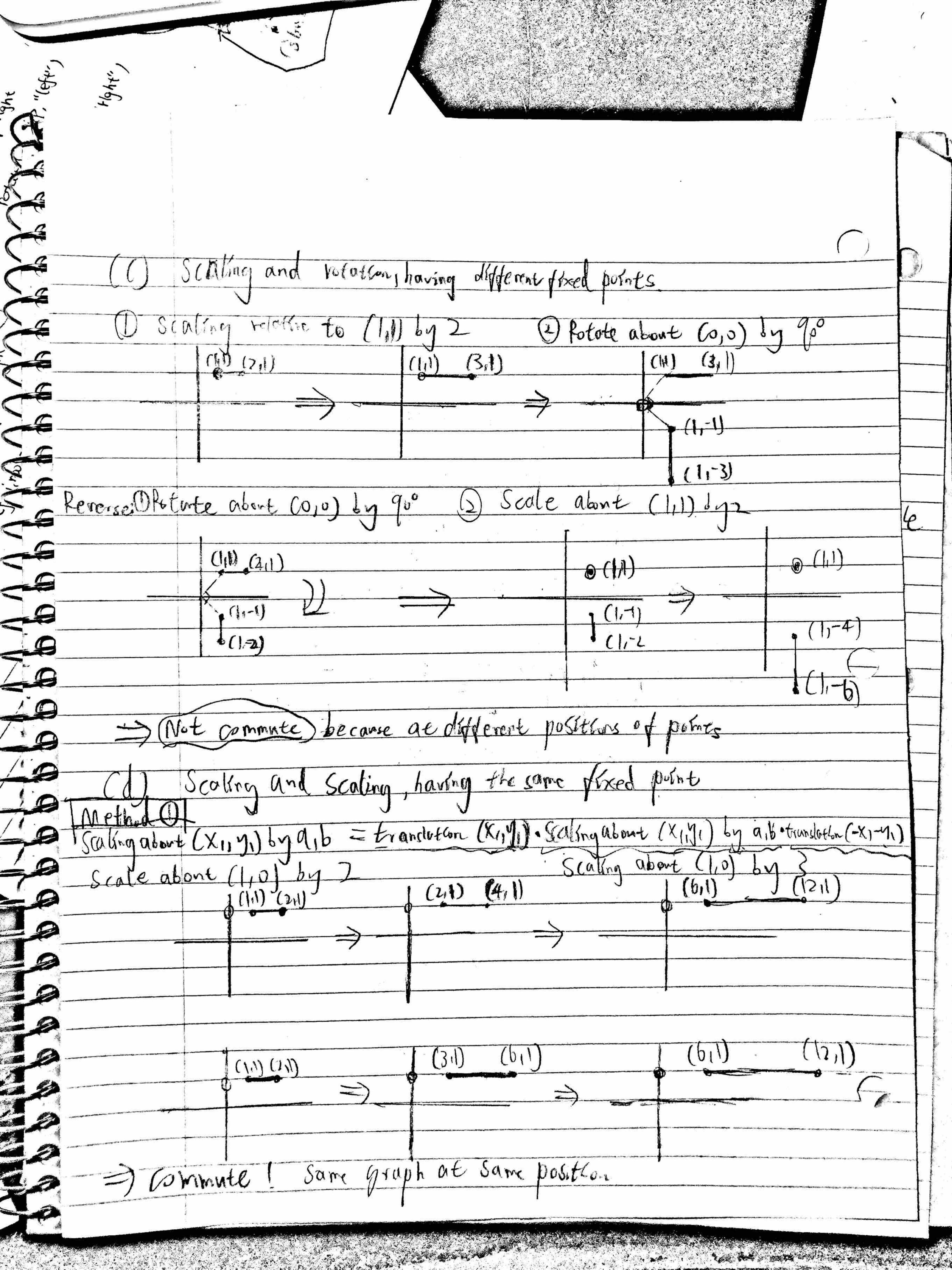
CSC418 A1

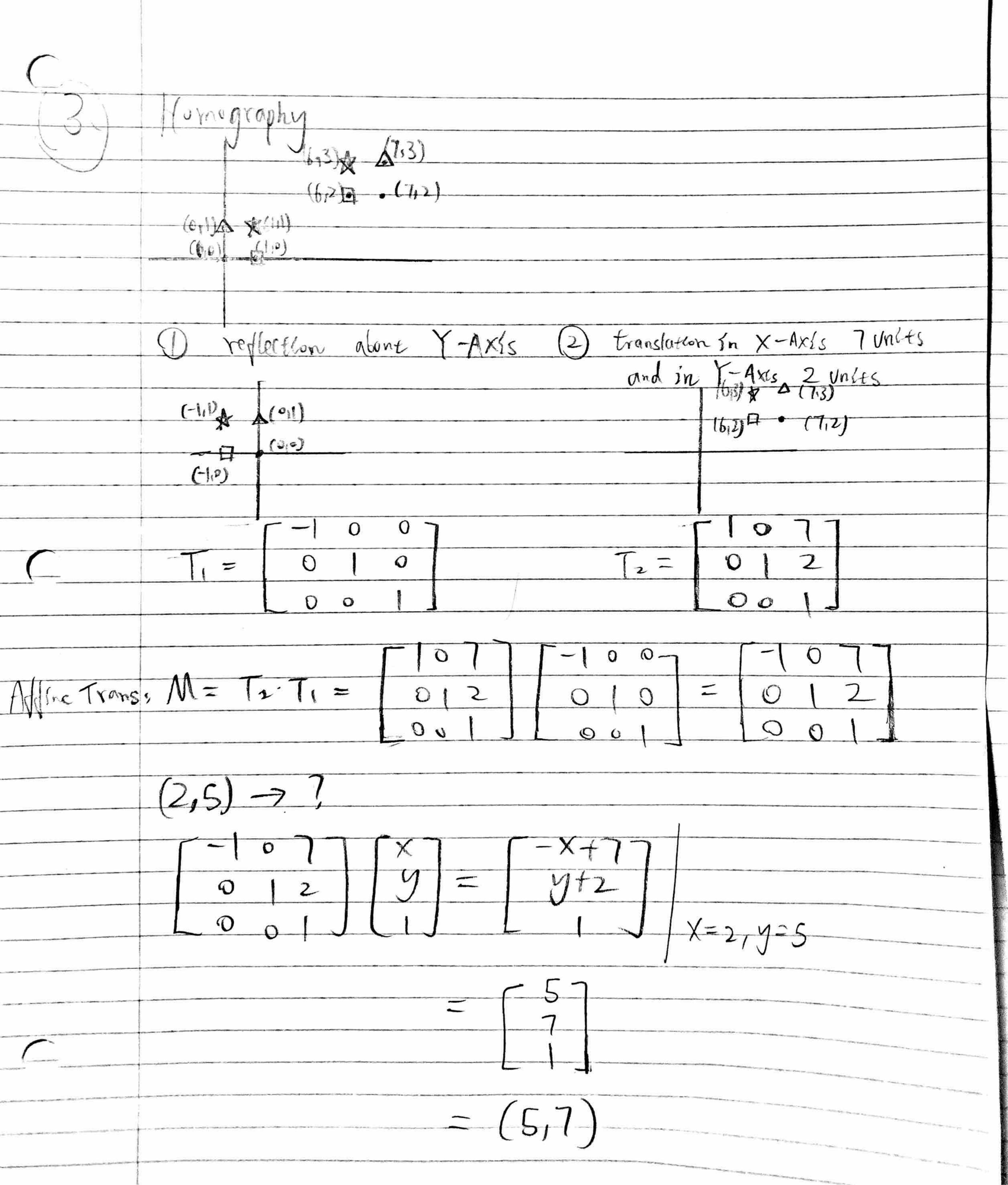
X(t) = 2 Sin(t), Y(t) = 5 Sin(t) Cos(t)0 5 5 2 7 7 t= Sm⁻¹(を) = 5 Sm (Sm⁻¹(を)) Cos(Sm⁻¹(を) 11- 5・×・ 14-×* X J4-X2 - V mille: = $2 \cos(t)$ $\frac{dy}{dt} = 5 \cos^2(t) - 5 \sin^2(t) = 5 \cos(2t)$ þ Tangent Vector (X'(+), M'(+)7 = (2005(+), 5605(24)) normal Vector (y'lt), - x'lt) for (-y'lt)-x'lt) 2 Cos(t)) X(t) = 25mlt) 1) (t) = 55m(+) Gos (t) ·st < 21 We have opposite Symmetric around X-Axis => Symmetric around Y-AXIS The Curve is symmetric around both X, 4-Axis

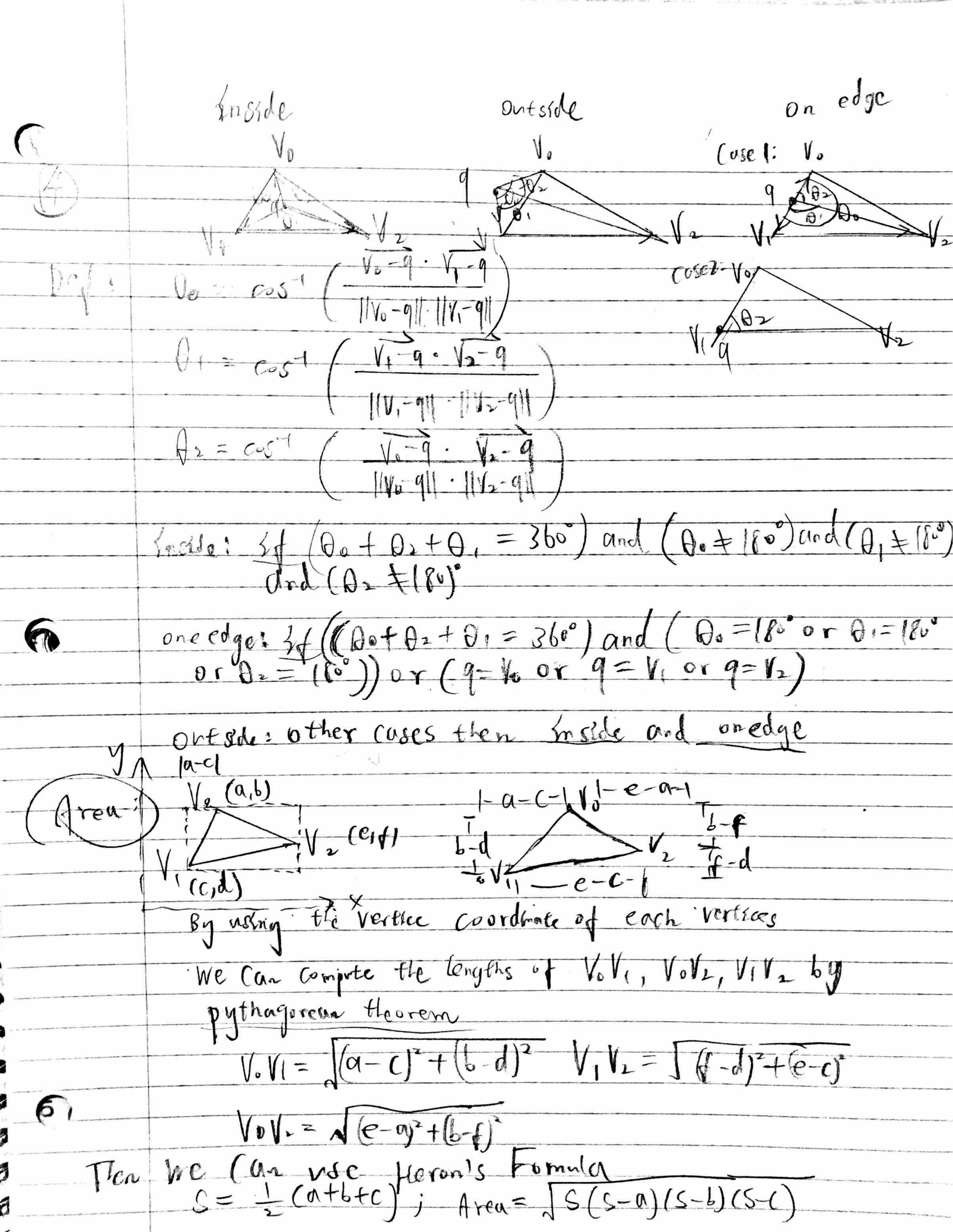


1000 formation 2 2 E 0 0 - TI = Tz - TI = Commite tronslation and rotation COSO - Sino o Smo Coso 0 -050 - SINO XI 5/n0 - 5/n0 x, 6050 - 75/n0 S/n0 - 6050 x 5/n0 + 4/1618 T. 72 + 12. T.) Not Commundo



Meron mathemetic way to prove -Caco, -caxifxi)





(5(5-VoV2) (5-VoV2) Observe the accordinate of the three vortices of a triungle Volly2, the controld O coordinates are given by