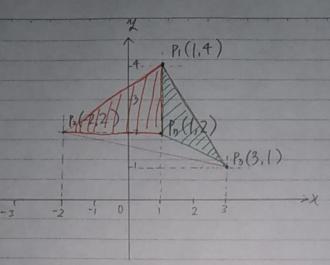
Mic.

Date



$$S = 0.5 \cdot \{ (P_2, \chi - P_1, \chi) \cdot (P_3, \chi - P_1, \chi) - (P_2, \chi - P_1, \chi) \cdot (P_3, \chi - P_1, \chi) \}$$

$$= 0.5 \cdot \{ (-2-1) \cdot (1-4) - (2-4) \cdot (3-1) \}$$