

Hence

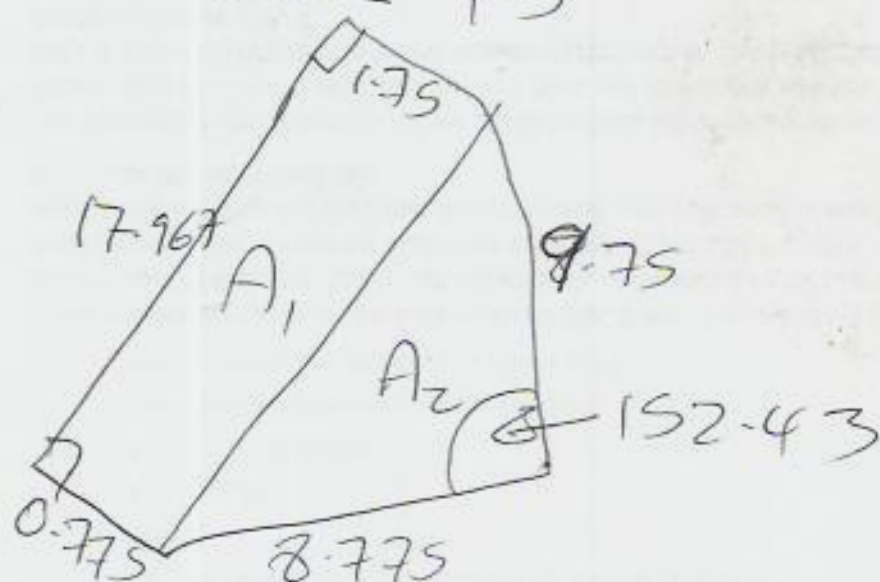
~~$\cos \theta = \frac{17.993^2 - 8.775^2 - 9.75^2}{2 \times 8.775 \times 9.75}$~~

~~$= \frac{17.993^2 - 8.775^2 - 9.75^2}{2 \times 8.775 \times 9.75}$~~

$$17.993^2 = 8.775^2 + 9.75^2 - 2 \times 8.775 \times 9.75 \times \cos \theta$$

$$\cos \theta = \frac{17.993^2 - 8.775^2 - 9.75^2}{-2 \times 8.775 \times 9.75}$$

$\theta = \cos^{-1} \dots$   
 $152.43^\circ$



$$A_1 = \frac{1}{2} (0.775 + 1.75) \times 17.967$$
$$= 22.68$$

$$A_2 = \frac{1}{2} \times 8.775 \times 9.75 \times \sin 152.43$$
$$\approx 19.8$$

$$A = 22.68 + 19.8 = 42.48$$