a) S_0^1

b) $S = K M^{\frac{2}{3}}$

$$18600 = K \, 70^{\frac{2}{3}}$$

$$= K \times 1633\frac{1}{3}$$

$$\frac{18600}{1633\frac{1}{3}} = K$$

$$\therefore K = 11\frac{19}{49}$$

$$S = k M^{\frac{2}{3}}$$

$$S = 11\frac{19}{49} \times 60^{\frac{2}{3}}$$

$$= 11\frac{19}{49} \times 1200$$

$$S = 1365.3 \, cm^2$$

$\therefore$ surfac area human with mass

$= 60 kg = 1365.3 cm^2$

c) ~~not~~

d) $a^2 = b^2 + c^2 - 2bc \cos A$

$13^2 = \cancel{b^2} + 7^2 - 2b \times 7 \, \cos 60°$

$169 = b^2 + 49 - \cancel{} 14b \, \cos 60$

$120 = b^2 - 14b \, \cos 60$

$a^2 = b^2 + x^2 - 2bx \, \cos A$

$13^2 = 7^2 + x^2 - 2 \times 7 \times x \ \cos A$

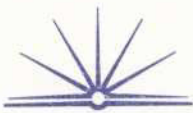$169 = 49 + x^2 - \cancel{} 14x \cos A$

$120 = x^2 - 14x \, \cos 60$

$120 = x^2 - 14x \times .5$

$120 = x^2 - 7x$

$\dfrac{\sin 60}{13} = \dfrac{\sin B}{7}$

$\dfrac{7 \sin 60}{13} = \sin B$

d) con't

$$\frac{7 \sin 60}{13} = 27°58'$$

∴ sin