

Solve area of DABC

AT XAZ = |AB | | AZ | sing & Q

SAARC = 1/2 | AR | I AC | SIND @

From O(0)So $ABC = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$ $\overrightarrow{AB} \times \overrightarrow{AC} = \frac{1}{2} | \overrightarrow{AB} \times \overrightarrow{AC}|$

• 2D Force

o Problem 1 The is





$$S_{\alpha}A\beta (=\frac{1}{\alpha}|A\beta \times A\zeta| = \frac{1}{2}|-11|\zeta| = 5.5$$

$$M \qquad M$$



From Eq. (1) $m_b = \frac{2F_{1PL}}{g} = \frac{2x^36}{9.8} \text{ kg} = 7.3469 \text{ kg}$ $F_{SPL} = \frac{1}{2}m_{AS} + F_{SPL}$

$$mA = 2 \frac{(F_{ep_1} - F_{sp_2})}{9}$$

FSP1 = k(0,2-0,25)= 60N

plug into @

$$m_A = \frac{2(60 - 36)}{9.8} | cg = 4.89 | kg$$