$$\overrightarrow{AB} = \overrightarrow{OB} - \overrightarrow{OA} = b - a$$

$$\sqrt{\frac{1-k=\pm h}{\pm k=\pm h}}$$
 $\sqrt{\frac{1}{2}}$ $\sqrt{\frac{2}{5}}$ $\sqrt{\frac{2}{5}}$

:
$$\vec{A}\vec{m} = \vec{3} \cdot \vec{A}\vec{c} = \vec{m}\vec{c} = \vec{3}\vec{A}\vec{c} = \vec{3}(\vec{5}\vec{6} - \vec{a}) = -\vec{3}\vec{a} + \vec{6}\vec{6}$$

Ac = d-a = c-b(2).

Pe = 2d-2a = 26-26

$$\overrightarrow{OB} = a - b = d - c$$

$$\vec{O}\vec{x} = \frac{1}{2}a - \frac{1}{2}b = \frac{1}{2}d - \frac{1}{2}c$$

$$\overrightarrow{0x} + \overrightarrow{xy} + \overrightarrow{yc} = \overrightarrow{0c}$$

$$(\pm d - \pm c) + xy + \pm c - \pm b = d$$

$$\overrightarrow{X}$$
 = $\frac{1}{2}d + \frac{1}{2}b$,

$$= a + (a + c) + c \qquad (A)$$

M30. $\overrightarrow{OD} = h \overrightarrow{OA} \cdot \overrightarrow{OE} = k \overrightarrow{OB}$ $= h \cdot a \qquad = k \cdot b$ $\overrightarrow{OF} = ?$ 07 = moc AB = ba AC = \$b - \$a. = CB ので= a+ なら、まの= まの+ をも of = m. = (a+b) DF = OF - OO = m. \frac{1}{2}a + m\frac{1}{2}b - ha =(2m-h) a+ 2mb, 2) FE = OE - OF = kb - 2ma - 2mb - zma + (k-zm)b. $\frac{3}{2}m - h = -\frac{1}{2}m$ m = h. $\tilde{c}_i m = k = h$ 芝加 = k-芝加 m-k. 4) In & ODF & O DAC. OD = OF = OF = h = k = m is DOFF n DOAC call matching sicles one in the same ratio.) : LODF = LOAC (Moveling angles are equal) i. DF 11 AC (Corresponding angles are equal) i. DEU AB (D, E, F, & ACB one in the same bue.)