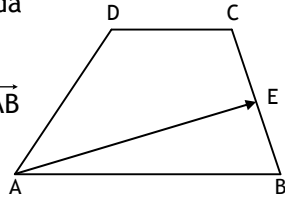


1. ABCD yamuğunda  
AB // CD dir.

$$\vec{AE} = \frac{1}{2}\vec{AD} + \frac{2}{3}\vec{AB}$$

ve  $\vec{AB} = x\vec{DC}$   
ise x kaçtır?



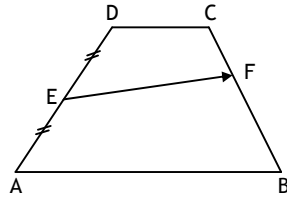
- a.  $\frac{3}{2}$    b. 2   c.  $\frac{5}{2}$    d. 3   e.  $\frac{7}{2}$

2. ABCD yamuğunda  
AB // DC ve

$|AE| = |ED|$  dir.

$$\vec{EF} = \frac{2}{3}\vec{AB} + \frac{1}{3}\vec{AD}$$

ve  $\vec{FC} = x\vec{BC}$  olduğuna göre x kaçtır?



- a.  $\frac{1}{6}$    b.  $\frac{1}{4}$    c.  $\frac{1}{3}$    d.  $\frac{2}{5}$    e.  $\frac{1}{2}$

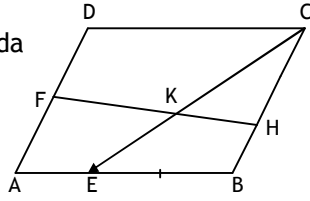
3. ABCD  
paralelkenarında

$|AF| = |FD|$ ,

$|AB| = 3|AE|$  ve

$|BC| = 3|BH|$  tir.

$\vec{CK} = x\vec{CE}$  ise, x kaçtır?

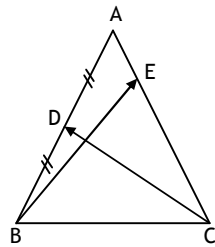


- a.  $\frac{1}{3}$    b.  $\frac{2}{5}$    c.  $\frac{1}{2}$    d.  $\frac{3}{5}$    e.  $\frac{2}{3}$

4.  $\triangle ABC$  inde;  
 $|AD| = |DB|$  ve  
 $E \in [AC]$  dir.

$$\vec{BE} + \vec{CD} = x\vec{AB} + \frac{1}{6}\vec{BC}$$

ise x kaçtır?



- a.  $-\frac{1}{2}$    b.  $-\frac{1}{3}$    c.  $-\frac{1}{4}$   
d.  $\frac{1}{4}$    e.  $\frac{1}{3}$

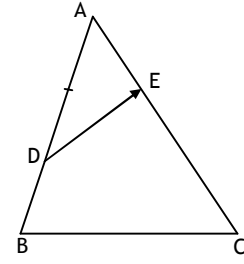
5.  $\triangle ABC$  inde;

$|AB| = 3|BD|$  ve

$E \in [AC]$  dir.

$$\vec{DE} = \frac{1}{2}\vec{BA} + x\vec{BC}$$

olduğuna göre x kaçtır?



- a.  $\frac{1}{6}$    b.  $\frac{1}{4}$    c.  $\frac{1}{3}$    d.  $\frac{1}{2}$    e.  $\frac{2}{3}$

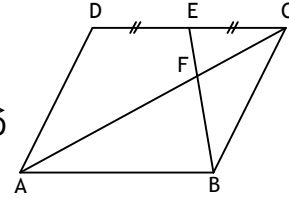
6. ABCD paralelkenar,

$|DE| = |EC|$ ,

$AC \cap BE = \{F\}$  ve

$\vec{AF} = x \cdot \vec{AB} + y\vec{AD}$

ise x kaçtır?



- a.  $\frac{1}{4}$    b.  $\frac{1}{3}$    c.  $\frac{1}{2}$    d.  $\frac{2}{5}$    e.  $\frac{3}{5}$

7. ABCDEF düzgün

altıgendir.

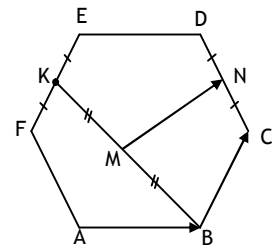
$|FK| = |KE|$ ,

$|BM| = |MK|$ ,

$|CN| = |ND|$  ve

$\vec{MN} = x\vec{AB} + y\vec{BC}$

olduğuna göre x + y kaçtır?



- a.  $\frac{3}{2}$    b.  $\frac{5}{3}$    c.  $\frac{4}{3}$    d.  $\frac{5}{4}$    e. 1