2021.10.1

1. $\vec{\ },\vec{\ }$

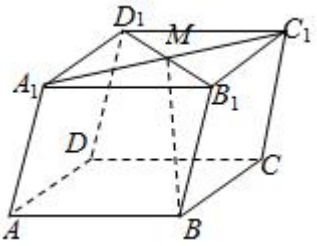
A $\vec{\ }=\lambda\vec{\ }+\mu\vec{\ }$ (R)

B R $\lambda\vec{\ }+\mu\vec{\ }$ $\vec{0}$ λ μ 0

C $\vec{\ },\vec{\ }$ $\vec{\ }=\lambda\vec{\ }+\mu\vec{\ }$ (R)

D $\vec{\ },\vec{\ }$ $\vec{\ }=\lambda\vec{\ }+\mu\vec{\ }$ (R)

2. 1 1 1 1 1 1 1 1 . $\overrightarrow{\ }=\vec{\ }$ $\overrightarrow{\ }=\vec{\ }$ $\overrightarrow{\ }_1=\vec{\ }$ $\overrightarrow{\ }$



A $-\frac{1}{2}\vec{\ }+\frac{1}{2}\vec{\ }+\vec{\ }$ B $\frac{1}{2}\vec{\ }+\frac{1}{2}\vec{\ }+\vec{\ }$ C $-\frac{1}{2}\vec{\ }-\frac{1}{2}\vec{\ }+\vec{\ }$ D $\frac{1}{2}\vec{\ }-\frac{1}{2}\vec{\ }+\vec{\ }$

3.

A $\left|\overrightarrow{\ }+\overrightarrow{\ }+\overrightarrow{\ }\right|=\left|\overrightarrow{\ }+\overrightarrow{\ }-\overrightarrow{\ }\right|$

B $\left|\overrightarrow{\ }+\overrightarrow{\ }+\overrightarrow{\ }\right|^2=\left|\overrightarrow{\ }\right|^2+\left|\overrightarrow{\ }\right|^2+\left|\overrightarrow{\ }\right|^2$

C $\left(\overrightarrow{\ }+\overrightarrow{\ }+\overrightarrow{\ }\right)\cdot\overrightarrow{\ }=0$

D $\overrightarrow{\ }\cdot\overrightarrow{\ }=\overrightarrow{\ }\cdot\overrightarrow{\ }=\overrightarrow{\ }\cdot\overrightarrow{\ }$

4. 1 1 1 1

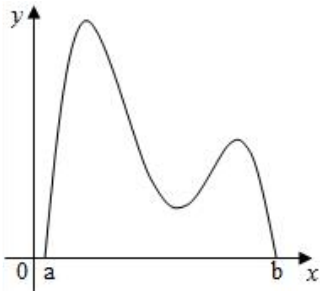
6. A(− 3,4) B(3,2)

( )

A. (− 1,1) B. (− ∞, − 1) (1, + ∞) C. [− 1,1] D. (− ∞, − 1] [1, + ∞)

7. [a, b] (≥ 2) ...

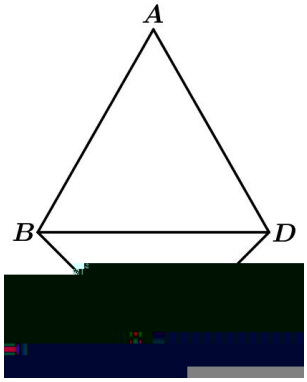
—— —— ... —— ( )



A. {2, 3} B. {3, 4} C. {2, 3 4} D. {3, 4 5}

8. = = =2 = =$\sqrt{2}$.

– – $\left[\frac{\pi}{6},\frac{5\pi}{6}\right]$,



A $\left[-\frac{5\sqrt{2}}{8},\frac{\sqrt{2}}{8}\right]$ B $\left[\frac{\sqrt{2}}{8},\frac{5\sqrt{2}}{8}\right]$ C $\left[0,\frac{\sqrt{2}}{8}\right]$ D $\left[0,\frac{5\sqrt{2}}{8}\right]$

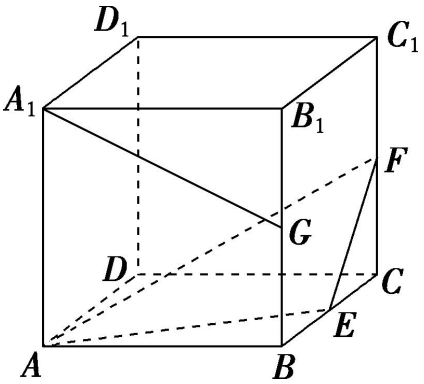
9. $\overrightarrow{\quad}=(2,2,1),\overrightarrow{\quad}=(4,5,3)$

A $\left(\frac{1}{3},-\frac{2}{3},\frac{2}{3}\right)$ B $\left(-\frac{1}{3},\frac{2}{3},-\frac{2}{3}\right)$ C $\left(\frac{1}{2},-1,1\right)$ D $\left(-\frac{1}{2},1,-1\right)$

10. $\vec{}=\vec{}+\vec{},\vec{}=\vec{}+\vec{},\vec{}=\vec{}+\vec{}$ $\{\vec{},\vec{},\vec{}\}$

A $\{\vec{\ },\vec{\ },\vec{\ }\}$ B $\{\vec{\ },\vec{\ },\vec{\ }\}$ C $\{\vec{\ },\vec{\ },\vec{\ }\}$ D $\{\vec{\ },\vec{\ },\vec{\ }+\vec{\ }+\vec{\ }\}$

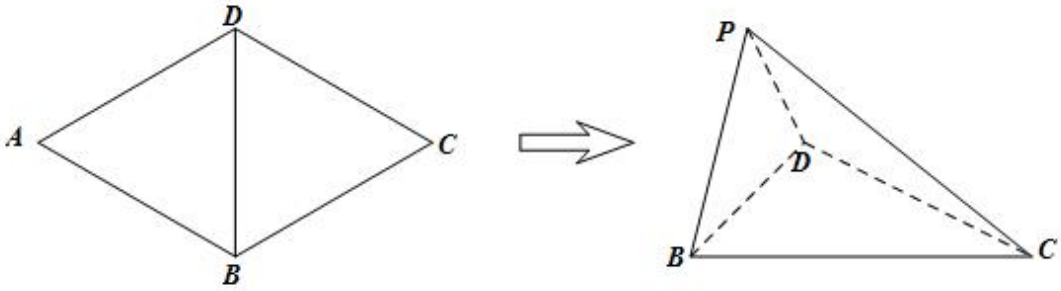
11. - 1 1 1 1 1 1 1



A 1 . B 1 .

C $\frac{9}{8}$. D .

12. =2 ∠ =60° ABD BD PBD



A 45°

B ⊥

C – – 90° $=\sqrt{6}$

D $\sqrt{3}$.

13. 1, 2 $\vec{\ }$ =(4,3), $\vec{\ }$ =(1, 7), 1 2 =_____.

14. 4 – –

_____

15. cos + cos = 2 cos Đ $\frac{2}{3}$ Đ

$\frac{1}{3}$ Ð 1 _____

16. − $\sqrt{}$ $\sqrt{}$

− _____ _____

17. (10)

− $1 \leq \quad \leq \quad \frac{1}{-}$

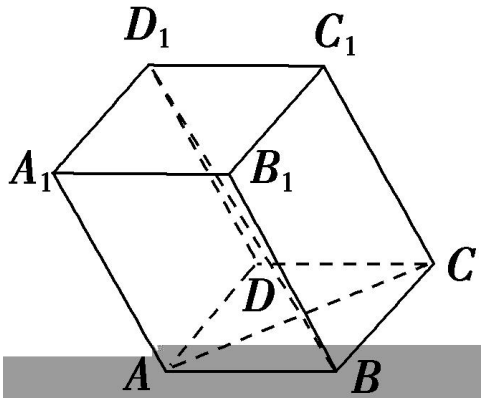
− $(-1 \leq \quad \leq 1)$ ——

18. $A(-m-3, 2)$ $B(-2m-4, 4)$ $C(-m, m)$ $D(3, 3m+2)$

19. - 1 1 1 1 1

1 1 120°.

1 A 1 2 1

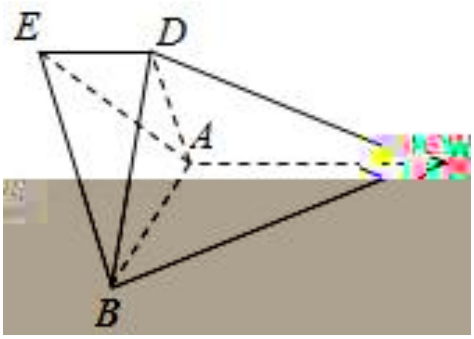


20. ( )

$=\frac{1}{2}$ 1

1

2 2 4



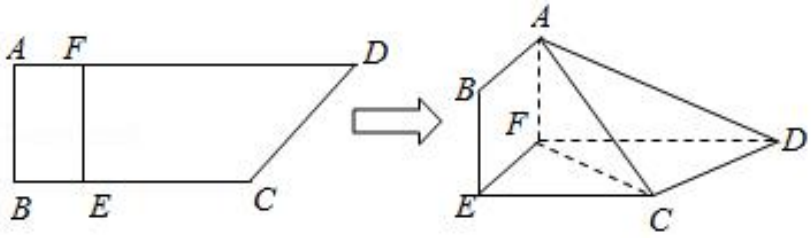
⊥ // = 6 = 2 = 4

// ⊥

1 =1 $\overrightarrow{\quad} = \lambda \overrightarrow{\quad}$ //

λ

2 – E AC D



22. 2020 1 1 1 1 1

1 1 1 1

1 1

2 1 1 1 1 1 1

1