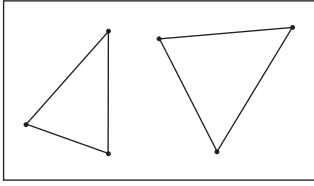
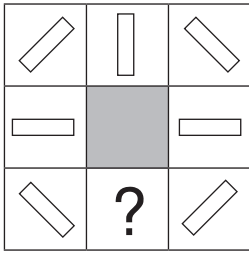


1.



- A) B) C) D) E)

2.



- A) B) C) D) E)

3. 11 15 20 ?

- A) 40 B) 70 C) 38 D) 31 E) 26

4. $\forall x \in \mathbb{R}$

$$x^3 + K \cdot x^2 + L \cdot x + M = (x + 1) \cdot (x^2 - 3x + 5)$$

$$\Rightarrow K + L + M = ?$$

- A) 5 B) 10 C) 15 D) 40 E) 70

$$5. \left. \begin{aligned} \frac{1}{m} + \frac{1}{n} &= 1 \\ \frac{1}{n} + \frac{1}{k} &= \frac{1}{2} \\ \frac{1}{m} + \frac{1}{k} &= \frac{1}{3} \end{aligned} \right\} \frac{n \cdot k + m \cdot k + m \cdot n}{m \cdot n \cdot k} = ?$$

- A) $\frac{11}{12}$ B) $\frac{4}{7}$ C) $\frac{8}{39}$ D) $\frac{3}{13}$ E) $\frac{7}{40}$