RS Aggrawal Solutions for Class 6 Maths Chapter 15 Polygons

ANSWER:

(a) It is a simple closed figure because it does not intersect itself
(b) It is a simple closed figure because it does not intersect itself.
(c) It is not a simple closed figure because it intersects itself.
(d) It is a simple closed figure because it does not intersect itself.
(e) It is not a simple closed figure because it intersects itself.
(f) It is a simple closed figure because it does not intersect itself.

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ANSWER:

(a) It is formed by four line segments and we know that a simple closed figure formed by three or more line segments is called a polygon. So, it is a polygon named quadrilateral.

(b) It is formed by three line segments and we know that a simple closed figure formed by three or more line segments is called a polygon. So, it is polygon named triangle.

(c) It is formed by twelve line segments and we know that a simple closed figure formed by three or more line segments is called a polygon. So, it is polygon.

(d) It is not a polygon because it contains curves.

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ANSWER:

(i) A polygon is a simple closed figure formed by more than two line segments.
(ii) A polygon formed by three line segments is called a triangle.
(iii) A polygon formed by four line segments is called a quadrilateral .
(iv) A triangle has three sides and three angles.
(v) A quadrilateral has four sides and four angles.
(vi) A figure which ends at the starting point is called a closed figure.

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