EDUGROSS
WISDOMISING KNOWLEDGE

RS Aggarwal Solutions for Class 6 Maths Chapter 15
Polygons

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1.

Solution

(a) It is a simple closed figure, since it does not intersect itself

(b) It is a simple closed figure, as it does not intersect itself

(c) This figure is not a simple closed figure, since it intersects itself

(d) This figure does not intersect itself. Hence, it is a simple closed figure.

(e) This figure is not a simple closed figure as it intersects itself.

(f) It is a simple closed figure because it does not intersects itself.

2.

Solution

(a) We know that a simple closed figure formed by three or more line segments is known as polygon. Since, this figure formed by four line segments. Hence, it is a polygon named quadrilateral

(b) We know that a simple closed figure formed by three or more line segments is known as polygon. Since, this figure formed by three line segments. Hence, it is a polygon named triangle

(c) We know that a simple closed figure formed by three or more line segments is known as polygon. Since, this figure formed by twelve line segments. Hence, it is a polygon.

(d) This figure contains curves. Hence, it is not a polygon.