Important Definitions

Multiple-choice questions about definitions.

Question 1 *An **equilateral quadrilateral** is called . . .*

Multiple Choice:

(a) *a square*

(b) *a rectangle*

(c) *a rhombus* ✓

(d) *a trapezoid*

(e) *none of these*

Question 2 *An **equiangular quadrilateral** is called . . .*

Multiple Choice:

(a) *a square*

(b) *a rectangle* ✓

(c) *a rhombus*

(d) *a trapezoid*

(e) *none of these*

Question 3 *When three (or more) points all lie on the same line, we say they are . . .*

Multiple Choice:

(a) *coplanar*

Author(s): Bart Snapp and Brad Findell

(b) *collinear* ✓

(c) *conjoined*

(d) *concurrent*

(e) *none of these*

Question 4 *When three (or more) lines all lie on the same point, we say they are . . .*

Multiple Choice:

(a) *coplanar*

(b) *collinear*

(c) *conjoined*

(d) *concurrent* ✓

(e) *none of these*

Question 5 *The* ***circumcenter*** *of a triangle is . . .*

Select All Correct Answers:

(a) *the point of concurrency of the medians.*

(b) *the point of concurrency of the angle bisectors.*

(c) *the point of concurrency of the perpendicular bisectors.* ✓

(d) *the point of concurrency of the altitudes.*

(e) *the balance point for the triangle.*

(f) *the center in the triangle.*

(g) *the center of the incircle.*

(h) *the center of the circumcircle.* ✓

(i) *equidistant from the sides of the triangle.*

(j) *equidistant from the vertices of the triangle.* ✓

Question 6 *The* ***incenter*** *of a triangle is . . .*

Select All Correct Answers:

(a) *the point of concurrency of the medians.*

(b) *the point of concurrency of the angle bisectors.* ✓

(c) *the point of concurrency of the perpendicular bisectors.*

(d) *the point of concurrency of the altitudes.*

(e) *the balance point for the triangle.*

(f) *the center in the triangle.*

(g) *the center of the incircle.* ✓

(h) *the center of the circumcircle.*

(i) *equidistant from the sides of the triangle.* ✓

(j) *equidistant from the vertices of the triangle.*

Question 7 *The* ***centroid*** *of a triangle is . . .*

Select All Correct Answers:

(a) *the point of concurrency of the medians.* ✓

(b) *the point of concurrency of the angle bisectors.*

(c) *the point of concurrency of the perpendicular bisectors.*

(d) *the point of concurrency of the altitudes.*

(e) *the balance point for the triangle.* ✓

(f) *the center in the triangle.*

(g) *the center of the incircle.*

(h) *the center of the circumcircle.*

(i) *equidistant from the sides of the triangle.*

(j) *equidistant from the vertices of the triangle.*

Question 8 *The* ***orthocenter*** *of a triangle is . . .*

Select All Correct Answers:

(a) *the point of concurrency of the medians.*

(b) *the point of concurrency of the angle bisectors.*

(c) *the point of concurrency of the perpendicular bisectors.*

(d) *the point of concurrency of the altitudes.* ✓

(e) *the balance point for the triangle.*

(f) *the center in the triangle.*

(g) *the center of the incircle.*

(h) *the center of the circumcircle.*

(i) *equidistant from the sides of the triangle.*

(j) *equidistant from the vertices of the triangle.*

Question 9 *A* ***midsegment*** *in a triangle is . . .*

Select All Correct Answers:

(a) *a segment in the middle.*

(b) *a segment connecting the midpoints of two sides.* ✓

(c) *parallel to a side of the triangle.* ✓

(d) *perpendicular to a side of the triangle.*

(e) *also called a median.*