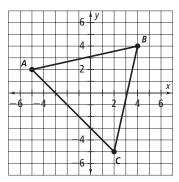
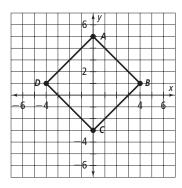


6-7 Lesson Quiz

1. Is $\triangle ABC$ scalene, isosceles, or equilateral?



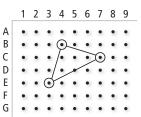
2. Do you UNDERSTAND? What is the most precise classification of the quadrilateral formed by the four segments connecting the midpoints of the sides of the square?



Answers

Solve It!

Answers may vary. Sample:



Using the square grid to count units, the slope of Leg 1 (E3 to B4) is 3. The slope of Leg 2 (B4 to C7) is $-\frac{1}{3}$. $3 \cdot \left(-\frac{1}{3}\right) = -1$, so the legs are \bot and form a rt. \angle . The horiz. distance of Leg 1 is 1 unit, and the vert. distance is 3 units. The horiz. distance of Leg 2 is 3 units, and the vert. distance is 1 unit. Using the

Distance Formula, both legs have a measure of $\sqrt{1^2+3^2}$ or $\sqrt{10}$. Since the legs are congruent and perpendicular to each other, the \triangle is a rt. isosc. \triangle .

Lesson Quiz

- 1. isosceles
- 2. square