Geometry Chapter 5 Test Part A - 10 pts	Good luck to
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1) Quadrilateral BCEP has vertices B(-3,1), C(-3,-4), E(1,-1), and P(1,4). Find the slopes of the diagonals. Show work using slope formula.

Find the midpoints of the diagonals.

From the above information, what type of quadrilateral is BCEP? Explain how you know.

2) Quadrilateral TURK has vertices T(1,5), U(9,9), R(11,5) and K(3,1). Find the slopes of the sides of TURK. Show work using slope formula.

Based on the slopes of the sides, what type of quadrilateral is TURK? Explain how you know.

Find the lengths of TU and UR to decide if TURK is a square.

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1) Quadrilateral BCEP has vertices B(-3,1), C(-3,-4), E(1,-1), and P(1,4). Find the slopes of the diagonals. Show work using slope formula.

BE 
$$\frac{-1-1}{1+t3} = \frac{-2}{4} = \frac{1}{2}$$
  $\frac{-2}{1-3} = \frac{8}{4} = 2$ 

From the above information, what type of quadrilateral is BCEP? Explain how you know.

midpoints same, so diagonals bigect each other slopes are rug, rec, sol.

I & bisect each other must be a (RHOMBUS)

Find the slopes of the sides of TURK. Show work using slope formula.  $\frac{y_2-y_1}{x_2-x_1}$ 2) Quadrilateral TURK has vertices T(1,5), U(9,9), R(11,5) and K(3,1).

Based on the slopes of the sides, what type of quadrilateral is TURK? Explain how you know. Of sides have same slope, so //  $\sqrt{(X-X)^2+(y-y)^2}$