**1)**

**Given:** E is the midpoint of

A

B

E

D

C

**Show:** E is the midpoint of

1.
2.
3.
4.
5.
6.
7.
8. E is the midpoint of
9. E is the midpoint of

A

B

C

D

E

**2)**

**Part 1:**

What information would help prove Choose all that apply.

**A.** Vertical angles are congruent **B.** C is the midpoint of **C.**  **D.**

**Part 2:**

What information would help prove Choose all that apply.

**A.** C is the midpoint of **B.** **C.**  **D.** Vertical angles are congruent

**Part 3:**

Given , which triangle congruence can be used to show ? Choose all that apply.

**A.** SAS **B.** AAS **C.** ASA **D.** HL **E.** None

**3)**

**Given:** NDOE is a parallelogram.

**Part 1:**

Choose all that apply to prove that parallelogram NDOE is a rectangle.

M

**Part 2:**

**Given:** Quadrilateral NDOE is a parallelogram;

**Prove:** Quadrilateral NDOE is a rectangle.

**4)**

 are the diagnoals of a quadrilateral RSTU. The diagonals intersect at point M, so that and is parallel to . Is RSTU a parallelogram? Justify your reasoning.

**5)**

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