1. ABCD is a quadrilateral
2. M, N, O, P are midpoints
3. Construct diagonal AC
4. \( \angle COB = \angle PBN \)
5. \( \frac{BM}{BN} = \frac{EC}{AC} \)
6. \( \triangle DMB \sim \triangle ABC \)
7. \( \angle CNM = \angle CAC \)
8. \( MN \parallel AC \)
9. \( \triangle COD \sim \triangle CDA \)
10. \( OP \parallel AB \)
11. \( OP \parallel MN \)

Use same argument to show \( PM \parallel ON \)

\( \therefore \) MNOP is a parallelogram