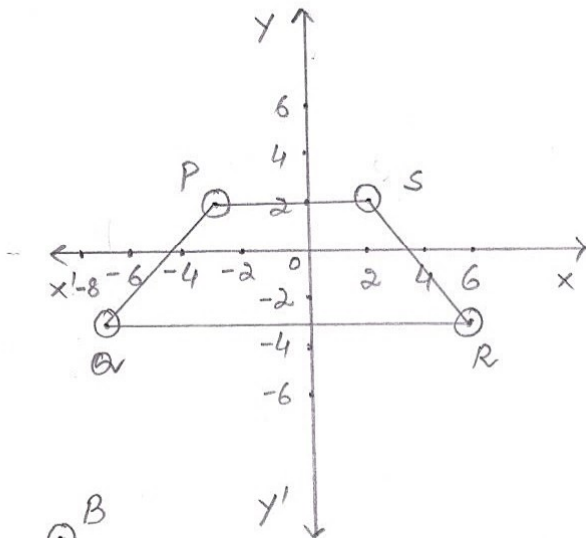
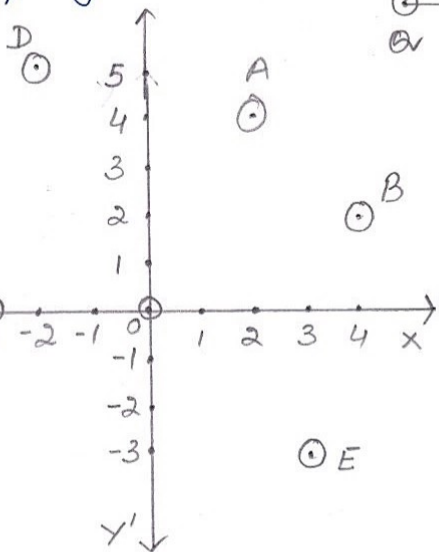


1. $P(1, 1)$
 $Q(-3, 0)$
 $R(-2, -3)$
 $S(2, 1)$
 $T(4, -2)$
 $O(0, 0)$

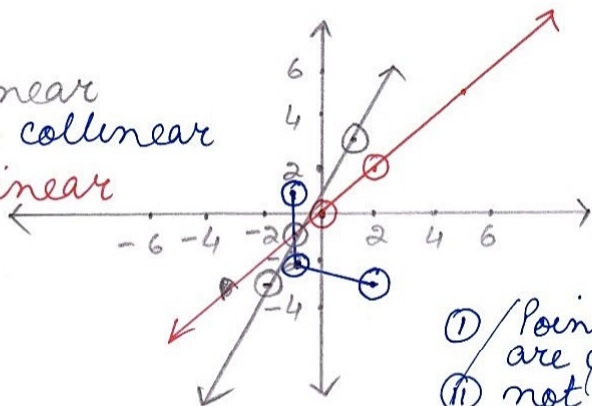


2. $PS \parallel QR$
 trapezium



- $A(2, 4), B(4, 2)$
 $C(-3, 0), D(-2, 5)$
 $O(0, 0)$

4. (i) collinear
 (ii) non collinear
 (iii) collinear



- (i) Points $(1, 3), (-1, -1), (-2, -3)$
 are collinear
 (ii) not collinear