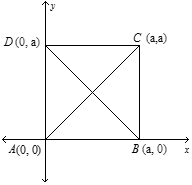
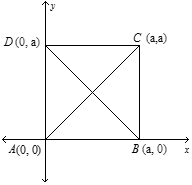
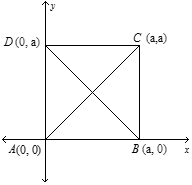
Coordinate Proofs of Congruent Triangles

1. Given: the Coordinates of Square ABCD

Prove:

2. Given: the Coordinates of Square ABCD

Prove:

3. Given: the Coordinates of Square ABCD

C (2a, 2a)

D (0, 2a)

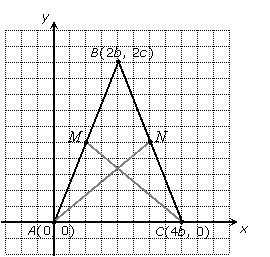
Prove:

X

B(2a, 0)

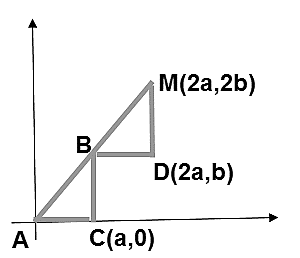
4. Given A(0,0), B(2b,2c) and C(4b,0) and M and N are the midpoints of AB and BC respectively.

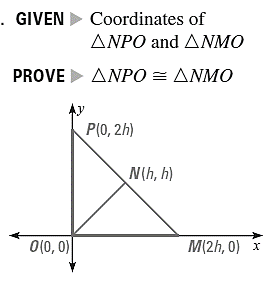
Prove: ∆MCA ∆NAC



5. Given: and the coordinates of the vertices

Prove:

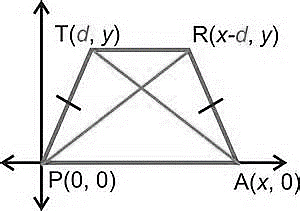


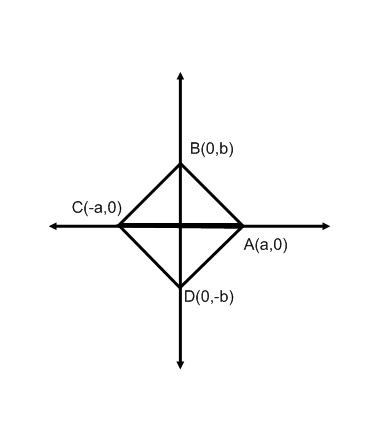


6.

7. Given: the coordinates of figure PTRA

Prove:



8. Given: the coordinates of and

Prove:

X