

Due _____

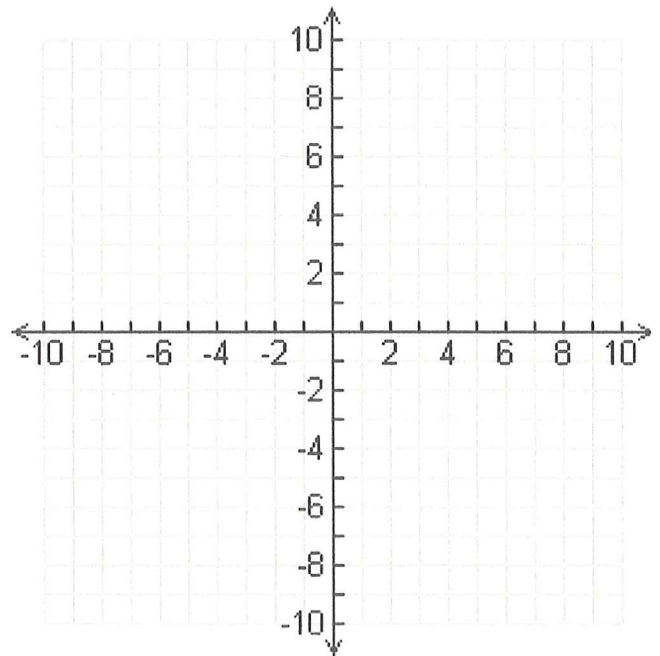
1. Triangle ABC has coordinates A (3, 9), B (5,1) and C (9, 5). D is the midpoint of AB, E is the midpoint of AC and F is the midpoint of BC.

a) Graph the points A, B, and C (make sure you label them). Find the coordinates of the midpoints D, E, and F. Show all work.

D =

E =

F =



b) Plot points D, E, and F on the graph and label them.

c) Find the length of DE, EF, and DF. Show all work using either Pythagorean Theorem or the distance formula.

DE = _____

EF = _____

DF = _____