Math 225   Name _____
Quick Quiz

Show all work

1. What type of triangle is formed by sides lengths of 5, $\sqrt{3}$ and 7? Justify your
    answer. (3 pts.)

2. Given rectangle ABCD with diagonals AC and BD. Let M be the midpoint of AB
    and segment AM intersects AC at point G. If AB=CD=12 and AD=BC=5. Find
    the lengths of AG and DG. (3 pts. for diagram, 5 pts. for work and correct
    answer).

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