

HW assignment 5

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Due Thu Feb 26 at the lecture.

Problem.

A three spin- $\frac{1}{2}$ particles are in the state

$$|\uparrow\rangle|\downarrow\rangle|\uparrow\rangle$$

- (a) What are possible results and (their probabilities) for measurement of J^2 in this state?
- (b) Same question about measurement of J_x .