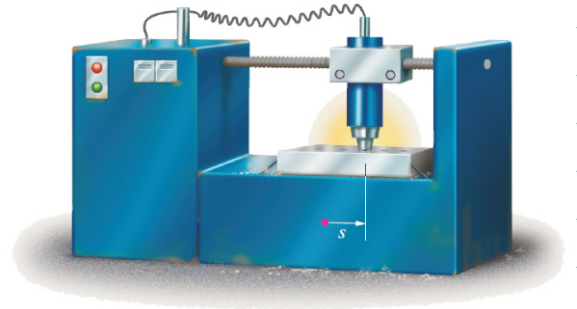


NAME

DATE

PROBLEM: 001**GIVEN:**

The milling machine is programmed so that during the interval of time from $t = 0$ to $t = 2$ s, the position of its head (in inches) is given as a function of time by $s = 4t - 2t^3$. What are the velocity (in in/s) and acceleration (in in/s²) of the head at $t = 1$ s?

**REQUIRED:****SOLUTION:**