

NAME AND SECTION: _____

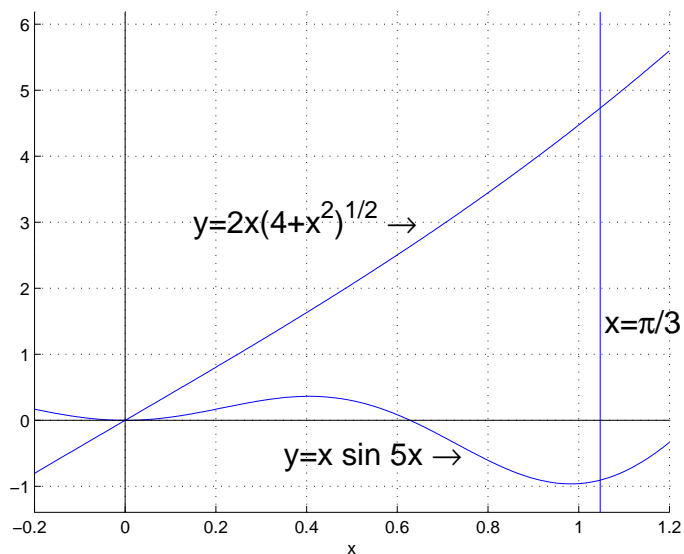
INSTRUCTOR'S NAME: _____

QUIZ 5

1. Compute the following indefinite integrals:

(a) $F(x) = \int x \sin 5x \, dx$

(b) $F(x) = \int 2x\sqrt{4+x^2} \, dx$



2. Shade on the graph above the region bounded by the curves $y = x \sin 5x$, $y = 2x\sqrt{4+x^2}$, and the line $x = \pi/3$ and compute the corresponding area.