NORTHWEST FLORIDA STATE COLLEGE

Department of Mathematics

AcroTE andofQuizzeics

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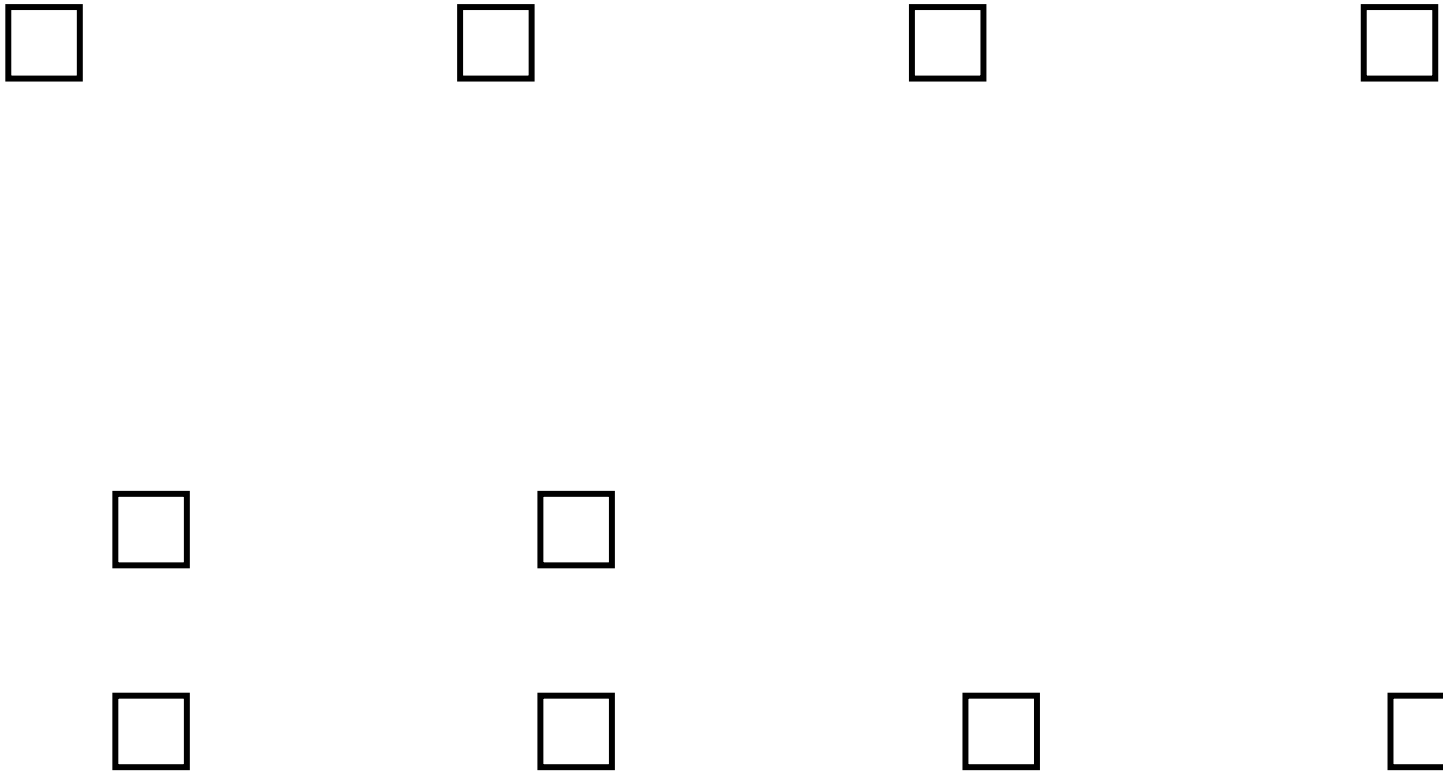
1. Introduction



Begin Quiz Using the discriminant, $b^2 \quad 4ac$, respond to each of the following questions.

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Score:

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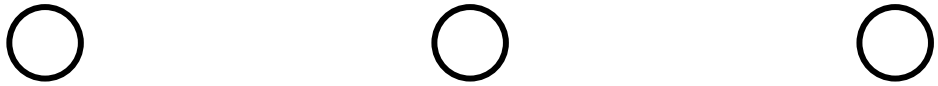

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2. What T_E

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Solutions to Exercises

Exercise 1. We evaluate by integration by parts:

$$\int x^2 e^{2x}\,dx = \tfrac{1}{2}x^2 e^{2x} - \int xe^{2x}\,dx \qquad u = x^2,\ dv = e^{2x}\,dx$$

$$= \tfrac{1}{2}x^2 e$$

Problem 2.1. The answer is yes. The definition states that F is an antiderivative of f if $F'(x) =$

Exercise 2(b) Acceleration is the rate of change of velocity with respect to time. Thus,

$$\overline{dt}$$

Exercise 3(a) $i^2 = \quad 1$

Exercise 3(b)

Solution to Quiz:

In 1492,

Solution to Quiz:

Solution to Quiz: