

## **§3.5: RELATED RATES**

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# ANNOUNCEMENTS

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## PREVIEW ACTIVITY DISCUSSION

## STRATEGY

1. Identify the quantities that are changing over time  $t$
2. Find the rates of change of the changing quantities
3. Find an equation that relates the changing quantities
4. Differentiate implicitly with respect to time
5. Evaluate at the relevant instant

## ACTIVITIES 3.5.2-3.5.3

## ACTIVITIES 3.5.4-3.5.5