Calculus
Related Rates Graphic Organizer

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| 1. Read the question through once entirely and get a general understanding of what is happening. | |

| 2. Draw a picture (label constants and variables) | 3. List information given in the problem as it relates to your variables from the picture |
| | 4. State what you are asked to find using variables |

| 5. Write an equation that relates the variables from your picture |
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| 6. Differentiate the equation with respect to $t$ |
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| 7. Solve for the rate in #4 | 7a. If necessary, draw a "snapshot" picture and use it to find values for #7 |
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| 8. Answer the question using words and including correct units |
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