**Parametric Integration**

Find between and , for the parametric equations below…

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Integration becomes…

Now try these…

1. Find between and , for and .
2. Find between and , for the parametric equations below…

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| . |  |

1. Find the area bounded by the x-axis and the curve with parametric equations below between .

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1. Find the positive integral bounded by the x-axis and the curve with parametric equations below…

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1. The trajectory of a ball thrown from the top of a tower is modelled by the parametric equations and .

Find the area of the region underneath the flight of the ball.

Answers =