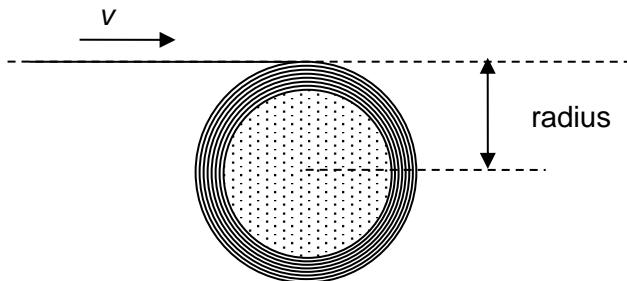


- 10** A straight length of tape winds onto a roll rotating about a fixed axis with constant angular velocity, the radius of the roll increasing at a steady rate.



Which of the graphs below correctly shows how the speed  $v$  at which the tape moves towards the roll varies with time?

