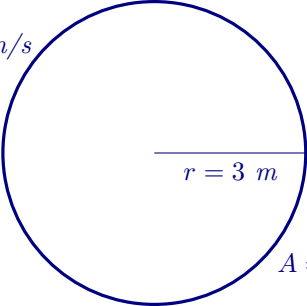


$$P'(t) = 4 \text{ m/s}$$


$$r = 3 \text{ m}$$

$$A = \pi \cdot r^2$$