1 A car of mass 900 kg is moving along a straight horizontal road against a constant resistance to motion of 350 N. At an instant when the car is moving at $15\,\mathrm{m\,s^{-1}}$ its acceleration is $0.25\,\mathrm{m\,s^{-2}}$.

(a) Find the driving force of the car's engine at this instant. [2]

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(b) Find the power of the car's engine at this instant. [2]

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