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Quiz	#15

Name:

## You must show your work to get full credit.

The total cost of producing q units is C(q) dollars and the revenue brought in by selling q units is R(q). If

$$C(150) = 750,$$

$$R(150) = 725,$$

$$R(150) = 725,$$
  $MC(150) = .75,$   $MR(150) = .85$ 

$$MR(150) = .85$$

(1) What are the units of MC(150) = .75?

Units are \_ Junit

2015 (2) Estimate the total cost of producing q = 153 units.

Total cost of producing 153 units  $\approx \frac{75225}{3}$ 

C(153) 2 C(150) + C'(150) AQ = 750+(.75)(3) = 752.25)

2 11ts (3) Estimate the profit made by producing the 151st unit.

Profit made by producing the  $151^{st}$  unit  $\approx$  \_\_\_\_\_