Cost Function $C(q) = 10 + 5q^2$
Figure 7-2b

Profit Maximization

\( \pi \text{ max} \)

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Figure 7-3

Cost Curves for $C(q) = 10 + 5q^2$

Image by Jaki King (designbyjaki.com) for MIT OpenCourseWare
Cost Curves for $C(q) = 10 + 5q^2$ with Tax

- $p = 30$
- $MC + t$
- $MC$
- $ATC + t$
- Profit with Tax
- $ATC$
- $AVC$

Image by Jaki King (designbyjaki.com) for MIT OpenCourseWare
Figure 7–5

The Firm's Supply Decision

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Figure 7–6

Short-Run Firm Supply Curve

\[ S = MC = 10q \]

Image by Jaki King (designbyjaki.com) for MIT OpenCourseWare
Figure 7-7

Short-Run Market Supply Curve

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