

1. The firm's production function is given by

$$Q = 100L^{0.5}K^{0.5}$$

2. The firm's cost function is given by

$$C(Q) = 100Q + 0.01Q^2$$

3. The firm's profit function is given by

$$\pi(Q) = 100Q - 100Q - 0.01Q^2$$

4. The firm's profit function is given by

$$\pi(Q) = 100Q - 100Q - 0.01Q^2$$

5. The firm's profit function is given by

$$\pi(Q) = 100Q - 100Q - 0.01Q^2$$

6. The firm's profit function is given by

$$\pi(Q) = 100Q - 100Q - 0.01Q^2$$

7. The firm's profit function is given by

$$\pi(Q) = 100Q - 100Q - 0.01Q^2$$

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