In answering the following questions, please explain how you arrived at your answers.

1. What is the firm's total fixed cost?

2. At what output is the firm's short run average cost minimized?

3. At approximately what output is the firm's short run marginal cost minimized?

4. Without using the assumption that the firm is maximizing its profit, calculate the price at which the firm is selling its output.

5. At what outputs is the firm's short run profit positive, negative, and 0?

6. At what outputs is the firm's short run average cost equal to its output price?
7. At what output or outputs is the firm's short run marginal cost equal to its marginal revenue?

8. At what output is the firm maximizing its short run profit?

9. At the firm's profit-maximizing output, what are its total revenue, short run total cost, short run average cost, and profit?