

Incorrect. To simplify this expression, multiply the factors under the radical signs:

$$7\sqrt{5x^3} \cdot 2\sqrt{15x^5} = 14\sqrt{5x^3 \cdot 15x^5} = 14\sqrt{75x^8}$$

Identify perfect square factors and rewrite as a product. Simplify using $\sqrt{a^2} = a$. The correct answer is 70.