PASS THE PROBLEM

Work in pairs to simplify each expression by taking turns. For question 1, student A will write the first step in the simplifying process and then pass the paper to student B, who will write the second step, and so on.

*Assume all variables are positive.

1) Student A starts.

$$\sqrt[3]{54x^4y^6}$$

2) Student B starts.

$$\frac{\left(25x^{-2}\right)^{-\frac{1}{2}}\left(3y^{-3}\right)}{x^0y^4}$$

Student A, write 2–3 sentences to explain why you selected the method you chose to start question 1.

Student B, write 2–3 sentences to explain why you selected the method you chose to start question 2.