Name and section: _____ Solution _____

1. Calculation. Make sure to simplify your final answers.

(a) $\dfrac{7}{\cancel{5}} \times \dfrac{\cancel{25}^{5}}{4} = \dfrac{35}{4}$

(b) $\dfrac{2}{9} \div \dfrac{8}{3} = \dfrac{\cancel{2}}{\cancel{9}_3} \times \dfrac{\cancel{3}}{\cancel{8}_4} = \dfrac{1}{12}$

2. Calculation. Make sure to simplify your final answer.

$2\cancel{4} \times \dfrac{3}{\cancel{2}} \div \dfrac{2}{3} = 6 \div \dfrac{2}{3}$

$\qquad\qquad = 3\cancel{6} \times \dfrac{3}{\cancel{2}}$

$\qquad\qquad = 9\cancel{}$

3. Dr. Curie lives $\dfrac{5}{2}$ km away from a gas station. How much distance does Dr. Curie ~~have~~ has to drive in total if she wants to go to the gas station from her home and back?

$\dfrac{5}{\cancel{2}} \text{km} \times \cancel{2} = 5\text{km}$

∴ Dr. Curie has to travel 5km to go to the gas station and back.