

$$3) \quad 3 \times 10^8 \frac{\cancel{m}}{\cancel{s}} \times \frac{3.754 \times 10^7 \cancel{s}}{1 \text{ ana}} \times \frac{1 \text{ AU}}{1496 \times 10^7 \cancel{m}} = 6.32 \times 10^4 \frac{\text{UA}}{\text{ana}}$$