

Julia.W

On your Own 9.1-9.10

Module 9

9.1 To the one on the escalator, I am not in motion, to the others, I am.

$$9.2 \quad \frac{30 \text{ min.}}{1} \times \frac{1 \text{ hr.}}{60 \text{ min.}} = \frac{30}{60} = \frac{1}{2} = 0.5$$

$$\frac{115 \text{ mi.}}{0.5 \text{ hr.}} = \boxed{230 \frac{\text{mi}}{\text{hr.}}}$$

$$9.3 \quad \frac{12 \text{ hr.}}{1 \text{ min.}} \times \frac{60 \text{ min.}}{1 \text{ hr.}} = 720 \text{ min.}$$

$$\frac{720 \text{ min.}}{5 \text{ min.}} = \boxed{144 \frac{\text{min.}}{\text{min.}}}$$

9.4 B.) 34 ~~min/min~~ m/min. east

$$9.5 \quad 520 + 650 = 1,170 \text{ miles per hour}$$

9.6 4 meters per sec.²

9.7 2 meters per sec.²

9.8 3 miles per min.²

9.9 19.36 ft.

9.10 He might not start or stop the stopwatch at the right time.