

Unit 4 Corrective Assignment – Answers

1. $s'(6) = 210$ meters / sec $s''(6) = 72$ meters / sec ²	2. $\frac{2}{9}$	3. -14	4. Does not exist	5a. $t = 3.5$ and $t = 8$ 5b. $(6, 7)$ 5c. 3 meters / sec 5d. $(2, 3.5)$, $(5, 6)$ and $(7, 8)$
6. Setup: $\tan \theta = \frac{1}{2000}s$ Answer: 0.0689 radians per second	7. B	8a. $y = -x + 2$ 8b. $f(-0.1) \approx 2.1$ 8c. Overestimate because $f(x)$ is concave down.		