

**PS2: Instantaneous velocity is the limit of average velocity - Answer key quick ref**

1. (1.2.3)

(a)  $AV_{[3,3+h]} = 6 + h$

(b)  $AV_{[3,3.2]} = 6 + 0.2 = 6.2$  meters per minute

(c)  $IV_{t=3} = 6$  meters per minute

2. (1.2.5.11)

(a) —

(b)  $IV_{t=1} \approx -53.837$  meters per second

(c) (meaning)