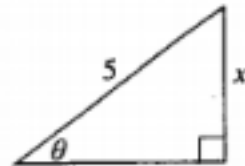


# AP CALC – DO NOW

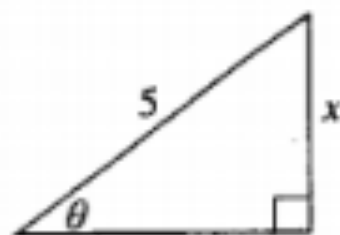
Grab an iPad

In your practice notebook, answer the question below.



In the triangle shown above, if  $\theta$  increases at a constant rate of 3 radians per minute, at what rate is  $x$  increasing in units per minute when  $x$  equals 3 units?

- (A) 3      (B)  $\frac{15}{4}$       (C) 4      (D) 9      (E) 12



In the triangle shown above, if  $\theta$  increases at a constant rate of 3 radians per minute, at what rate is  $x$  increasing in units per minute when  $x$  equals 3 units?

- (A) 3                      (B)  $\frac{15}{4}$                       (C) 4                      (D) 9                      (E) 12