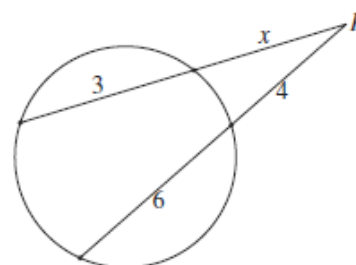


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- 2015 3** Two secants from the point P intersect a circle as shown in the diagram.

What is the value of x ?

- (A) 2
(B) 5
(C) 7
(D) 8



Not to scale

B

$$x(x + 3) = 4(4 + 6)$$

$$x^2 + 3x = 40$$

$$x^2 + 3x - 40 = 0$$

$$(x + 8)(x - 5) = 0$$

$$x = -8, 5$$

But $x > 0$, then $x = 5$.

State Mean:
0.47

* These solutions have been provided by [projectmaths](#) and are not supplied or endorsed by BOSTES.