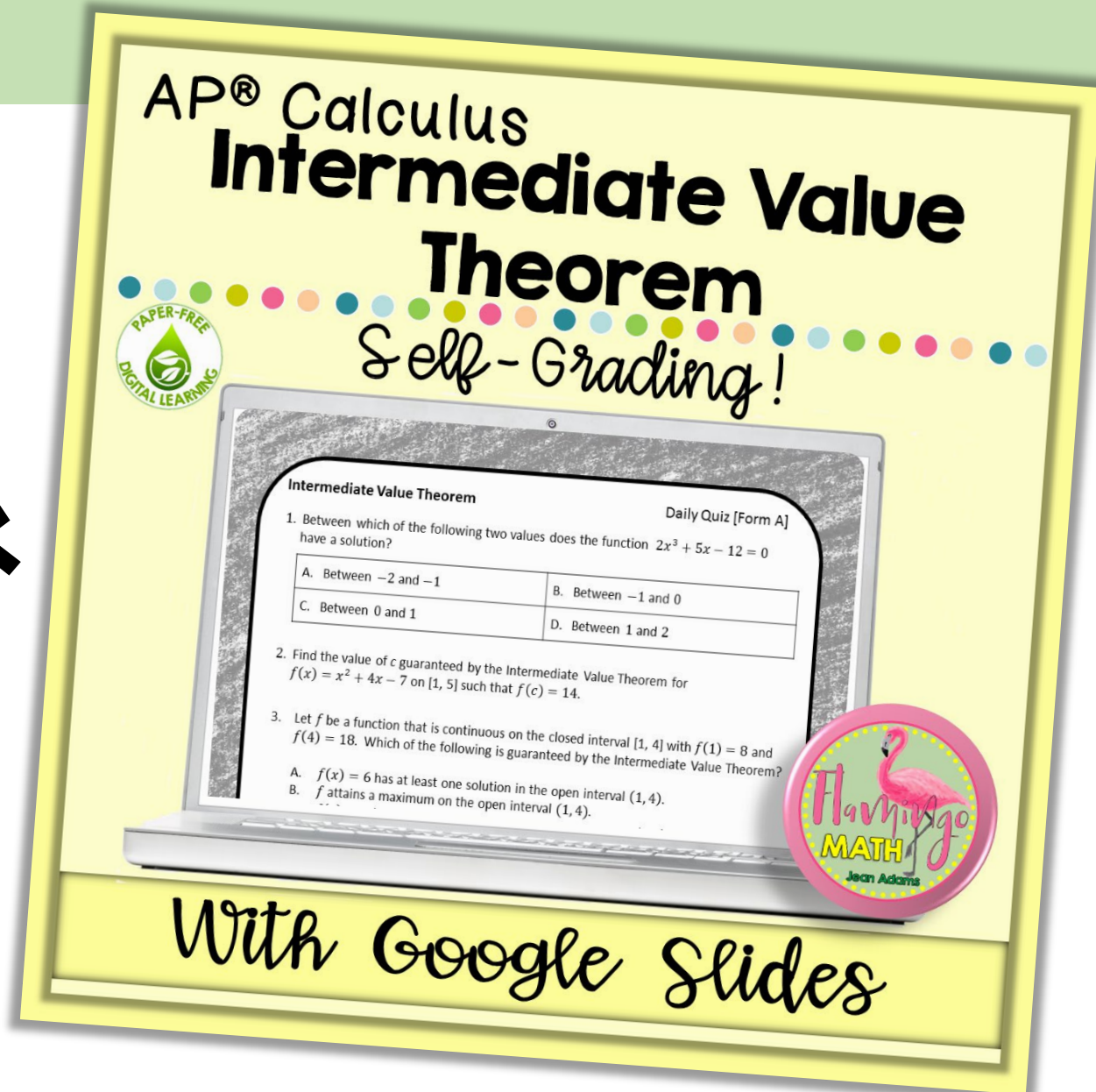
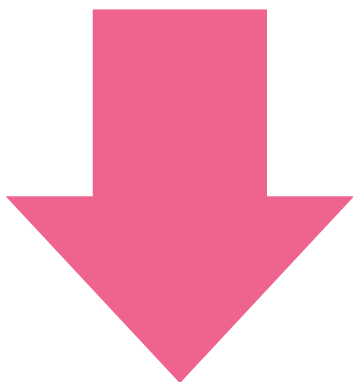


AP Calculus with Google Slides™

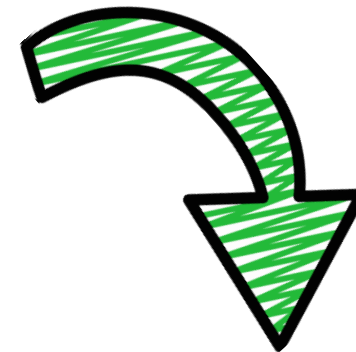
Self-Grading
Digital
No Prep Quiz

Take a look inside!



Every page in the activity is color-coded to highlight the version..

Students can type answers directly on the Google Slides in Google Drive...



Intermediate Value Theorem Daily Quiz [Form A]

1. Between which of the following two values does the function $2x^3 + 5x - 12 = 0$ have a solution?

A. Between -2 and -1	B. Between -1 and 0
C. Between 0 and 1	D. Between 1 and 2

2. Find the value of c guaranteed by the Intermediate Value Theorem for $f(x) = x^2 + 4x - 7$ on $[1, 5]$ such that $f(c) = 14$.

3. Let f be a function that is continuous on the closed interval $[1, 5]$ with $f(1) = 3$ and $f(5) = 18$. Which of the following is guaranteed by the Intermediate Value Theorem?

A. $f(x) = 6$ has at least one solution in the open interval $(1, 5)$.
 B. f attains a maximum on the open interval $(1, 5)$.
 C. $f(x) = 15$ has at least one solution in the open interval $(1, 5)$.
 D. $f(x)$ has at least one zero in the open interval $(1, 5)$.

© 2016 Flamingo Math, LLC (Jean Adams)

Intermediate Value Theorem Daily Quiz [Form B]

1. Between which of the following two values does the function $-4x^4 + 8x^2 + 2 = 0$ have one of its solutions?

A. Between -3 and -2	B. Between -2 and -1
C. Between -1 and 0	D. Between 0 and 1

2. Find the value of c guaranteed by the Intermediate Value Theorem for $f(x) = x^2 - 3x - 8$ on $[1, 5]$ such that $f(c) = -4$.

3. Let f be a function that is continuous on the closed interval $[2, 6]$ with $f(2) = 5$ and $f(6) = 20$. Which of the following is guaranteed by the Intermediate Value Theorem?

A. $f(x) = 8$ has at least one solution in the open interval $(2, 6)$.
 B. f attains a maximum on the open interval $(2, 6)$.
 C. $f(x) = 2$ has at least one solution in the open interval $(2, 6)$.
 D. $f(x)$ has at least one zero in the open interval $(2, 6)$.

© 2016 Flamingo Math, LLC (Jean Adams)



Question 1* 1 point

Between which of the following two values does the function $2x^3 + 5x - 12 = 0$ have a solution?

Between -2 and -1

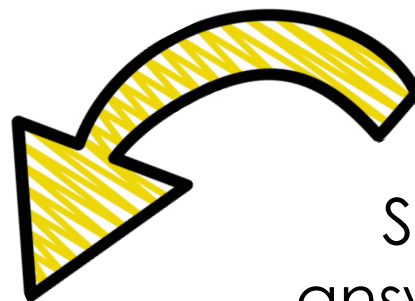
Between -1 and 0

☐ A
 ☐ B

Between 0 and 1

Between 1 and 2

☐ C
 ☐ D



Option #2:
Students record
answers on a Google
Form for easy
self-grading.

Question 1* 1 point

Between which of the following two values does the function $-4x^4 + 8x^2 + 2 = 0$ have one of its solutions?

Between -3 and -2

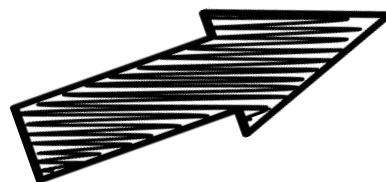
Between -2 and -1

☐ A
 ☐ B

Between -1 and 0

Between 0 and 1

☐ C
 ☐ D



Blackline Masters, too!

Intermediate Value Theorem Name _____

Daily Quiz [Form A]

- Between which of the following two values does the function $2x^3 + 5x - 12 = 0$ have a solution?

A. Between -2 and -1	B. Between -1 and 0
C. Between 0 and 1	D. Between 1 and 2

- Find the value of c guaranteed by the Intermediate Value Theorem for $f(x) = x^2 + 4x - 7$ on $[1, 5]$ such that $f(c) = 14$.
- Let f be a function that is continuous on the closed interval $[1, 4]$ with $f(1) = 8$ and $f(4) = 18$. Which of the following is guaranteed by the Intermediate Value Theorem?
 - A. $f(x) = 6$ has at least one solution in the open interval $(1, 4)$.
 - B. f attains a maximum on the open interval $(1, 4)$.
 - C. $f(x) = 15$ has at least one solution in the open interval $(1, 4)$.
 - D. $f(x)$ has at least one zero in the open interval $(1, 4)$.

© 2016 Flamingo Math, LLC (Jean Adams)

Intermediate Value Theorem Name _____

Daily Quiz [Form B]

- Between which of the following two values does the function $-4x^4 + 8x^2 + 2 = 0$ have one of its solutions?

A. Between -3 and -2	B. Between -2 and -1
C. Between -1 and 0	D. Between 0 and 1

- Find the value of c guaranteed by the Intermediate Value Theorem for $f(x) = x^2 - 3x - 8$ on $[1, 5]$ such that $f(c) = -4$.
- Let f be a function that is continuous on the closed interval $[2, 6]$ with $f(2) = 5$ and $f(6) = 20$. Which of the following is guaranteed by the Intermediate Value Theorem?
 - A. $f(x) = 8$ has at least one solution in the open interval $(2, 6)$.
 - B. f attains a maximum on the open interval $(2, 6)$.
 - C. $f(x) = 2$ has at least one solution in the open interval $(2, 6)$.
 - D. $f(x)$ has at least one zero in the open interval $(2, 6)$.

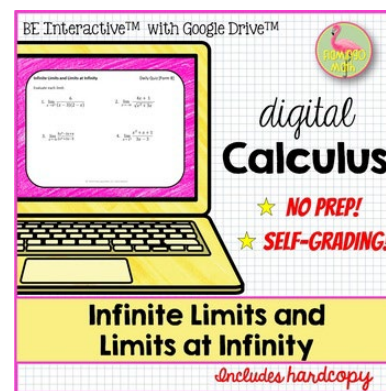
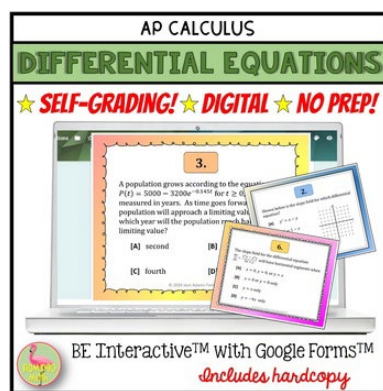
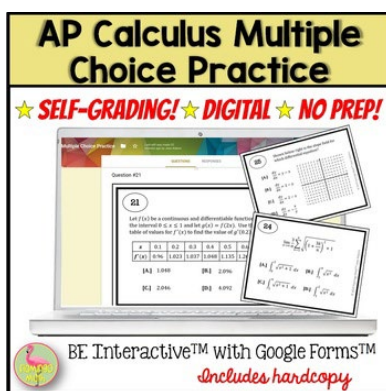
© 2016 Flamingo Math, LLC (Jean Adams)



My goal is to help you bring balance into your teacher life by providing relevant content, engaging activities, and comprehensive assessments for your high-stakes math course.



More Resources for YOU



Let's keep in touch! I'm here for you!



I appreciate your support and interest in my store.

Please email me with questions or comments:

jean@flamingomath.com

Sign up for my Newsletter
to gain access to an
Exclusive FREE Resource
Library!

