



PSAT/NMSQT

Power Hour



What is the PSAT?

- Same format as the digital SAT, but administered by high schools and scored out of 1520, not 1600
- Given to juniors across the country once a year
- Qualifying test for National Merit Scholarship Recognition



Why does it matter?

- Identify your initial score range
- Determine if SAT or ACT is a better fit
- Learn your strengths and areas for improvement
- Earn merit scholarship money!!
- Differentiate yourself in college admissions

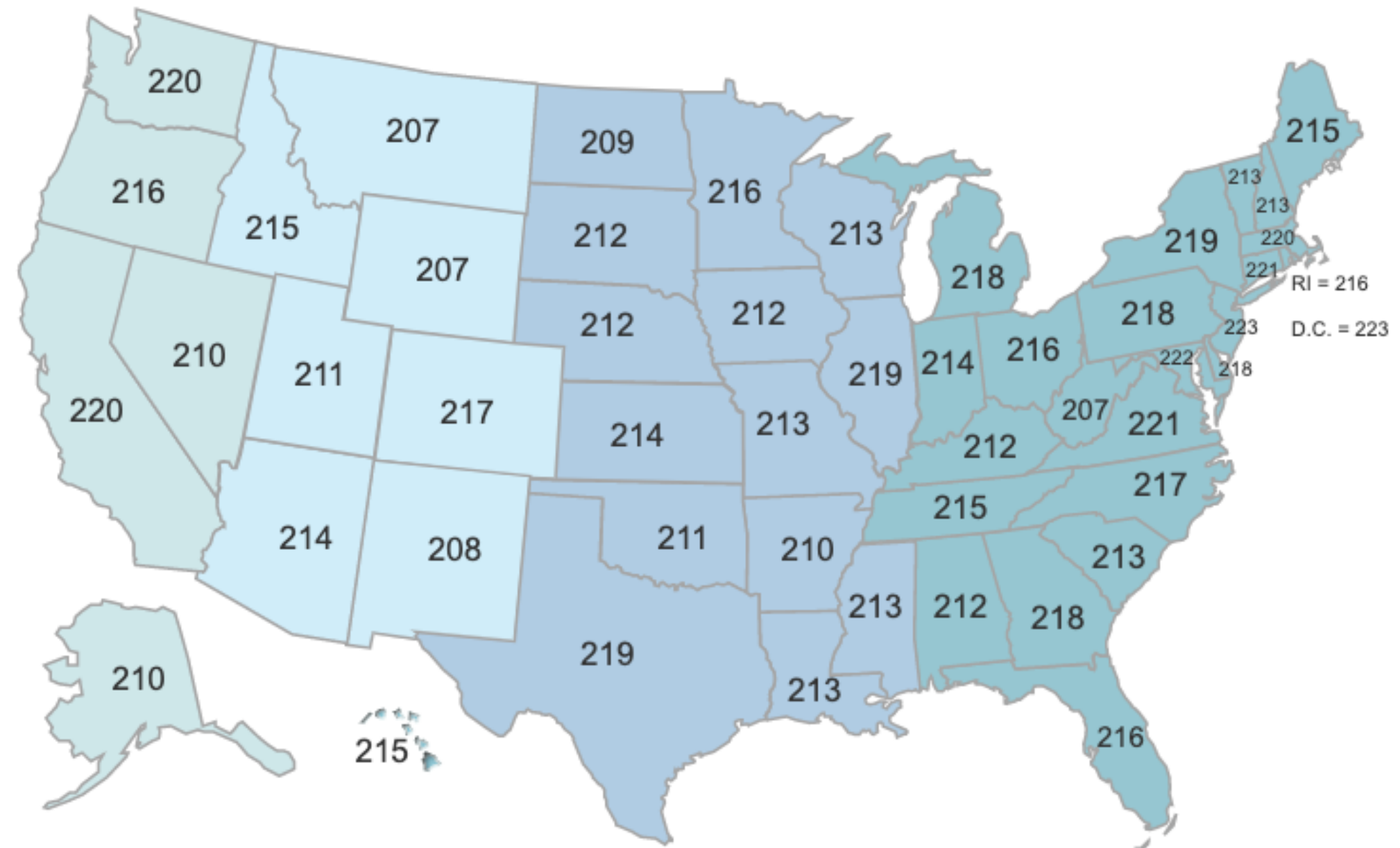


National Merit Index Score

$$\text{INDEX SCORE} = \frac{2RW + M}{10}$$

- Each student's section scores will be used to calculate their index score which is used to determine eligibility for National Merit.
- Students are compared to students in their state to determine eligibility (top 1%).

National Merit Semifinalist SI Cutoffs - Class of '23



Digital PSAT

4
Modules

98
Questions

2 hrs 14 min
Duration

1520*
Max Score



Reading & Writing

64 minutes & 54 questions
🏃 71 seconds per question

Module 1

32 minutes
27 questions
27 passages

1 Normal

Accuracy
> ~70%

Yes

No

Module 2 adaptive

32 minutes
27 questions

2 Hard
760 max score

2 Easy
~510 max score

- Reading Comprehension & Writing Skills
- 54 Short Passages (25-150 words), 1 Question Each
- Multiple Choice



Math

70 minutes & 44 questions
🏃 95 seconds per question

Module 1

35 minutes
22 questions

1 Normal

Accuracy
> ~60%

Yes

No

Module 2 adaptive

35 minutes
22 questions

2 Hard
760 max score

2 Easy
~510 max score

- Math Skills through Algebra II
- Calculator Allowed
- 2/3 Multiple Choice & 1/3 Free Response

How to beat the new PSAT?



- Familiarize yourself with exam structure, content, & question types
- Practice with Collegeboard's Bluebook app
- Learn how to use the integrated testing tools



Tip: Always Read the ? Stem First

The following text is adapted from Charles Chesnutt's 1899 short story "Mars Jeems's Nightmare." The narrator and his wife have recently moved to the southern United States, and Julius is their carriage driver.

Julius [was] very useful when we moved to our new residence. He had a thorough knowledge of the neighborhood, was familiar with the roads and the watercourses, knew the qualities of the various soils and what they would produce, and where the best hunting and fishing were to be had. He was a marvelous hand in the management of horses and dogs.

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Mark for Review

APC

Which choice best states the main purpose of the text?

- (A) To compare the narrator's reaction to a new home with his wife's reaction
- (B) To give an example of Julius's knowledge about soil
- (C) To show that the narrator and Julius often hunt and fish together
- (D) To explain different ways in which Julius was helpful

Tip: Use Process of Elimination

In superfluorescence, electrical charges known as dipoles emit light in synchronized bursts so intense that they are visible to the eye. Until recently, this phenomenon has only been observed at extremely cold temperatures because dipoles cannot synchronize at higher temperatures. But in a study, Melike Biliroglu and colleagues observed superfluorescence at room temperature in thin films made of perovskite and other similarly crystalline materials; the researchers propose that the formation of shock-absorbing quasiparticles called polarons in the material protects dipoles from thermal interference.

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Mark for Review



Based on the text, how are polarons believed to be involved in the superfluorescence observed in Biliroglu and colleagues' study?

☒ A

Polarons enable superfluorescent bursts to cross from one crystalline material to another.

Undo

☐ B

Polarons allow for the dipoles to synchronize despite higher temperatures.

☐ B

☐ C

Polarons accelerate the dipoles' release of superfluorescent bursts.

Undo

☐ D

Polarons decrease the intensity of the superfluorescent burst.

Undo

**Tip: If two answers mean the same thing.... THEY'RE BOTH
WRONG!!!**

a. .

b. ;

c. :



What does the text most strongly suggest about the site discovered by the researchers?

(A) It is the earliest known example of a titanosaur nesting and breeding site.



(B) It was very difficult to excavate given that it was discovered in a mine.



(C) It may have been occupied by other sauropods in addition to titanosaurs.



(D) It is farther north than any other nesting site discovered in South America.



Section 1, Module 1: Reading and Writing Questions



Current



Unanswered



For Review

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27			

[Go to Review Page](#)

Section 1, Module 1: Reading and Writing Questions



Current



Unanswered



For Review

1

2

3

4

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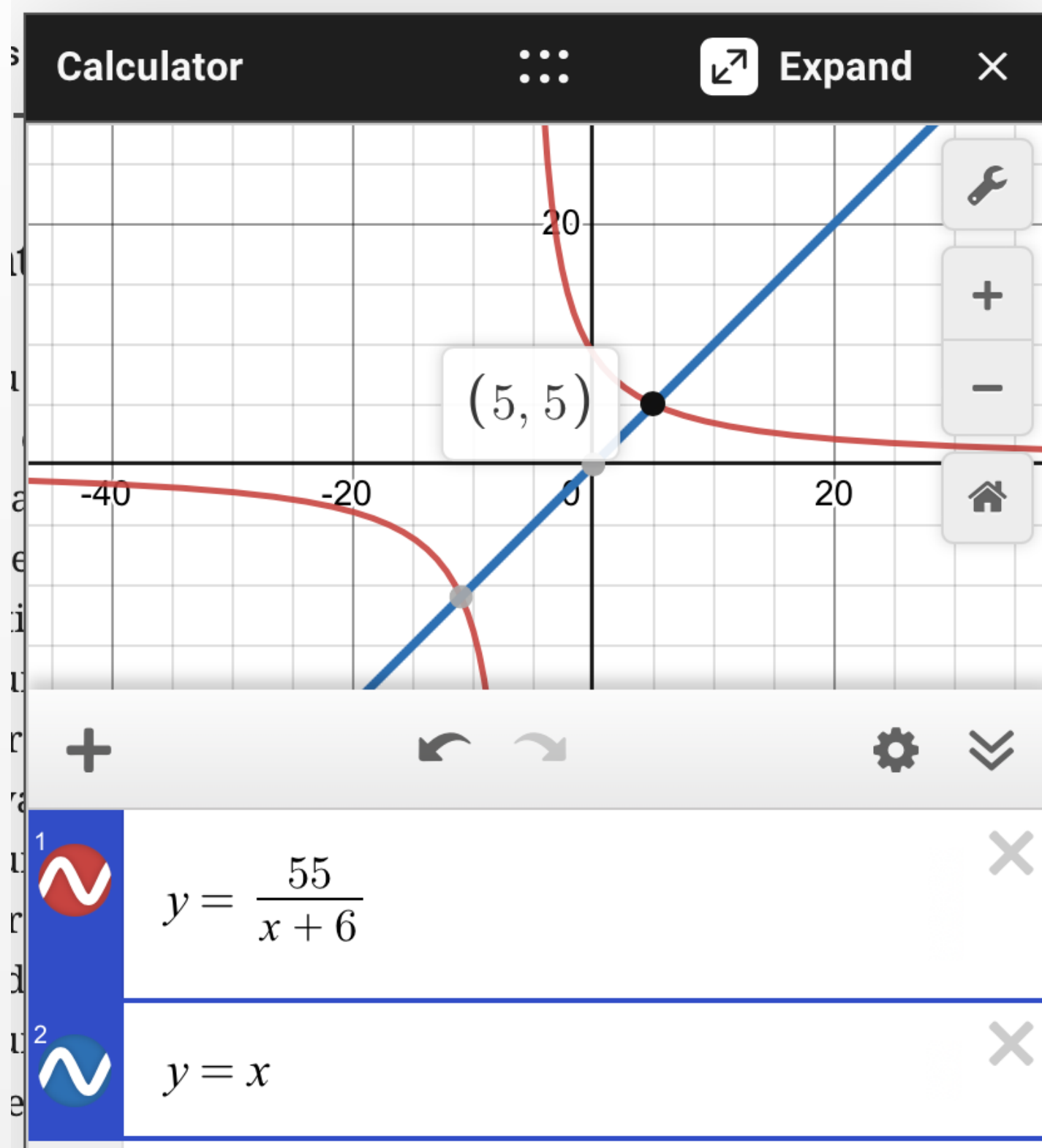
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27



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PSAT CALCULATOR-DESMOS



Hide

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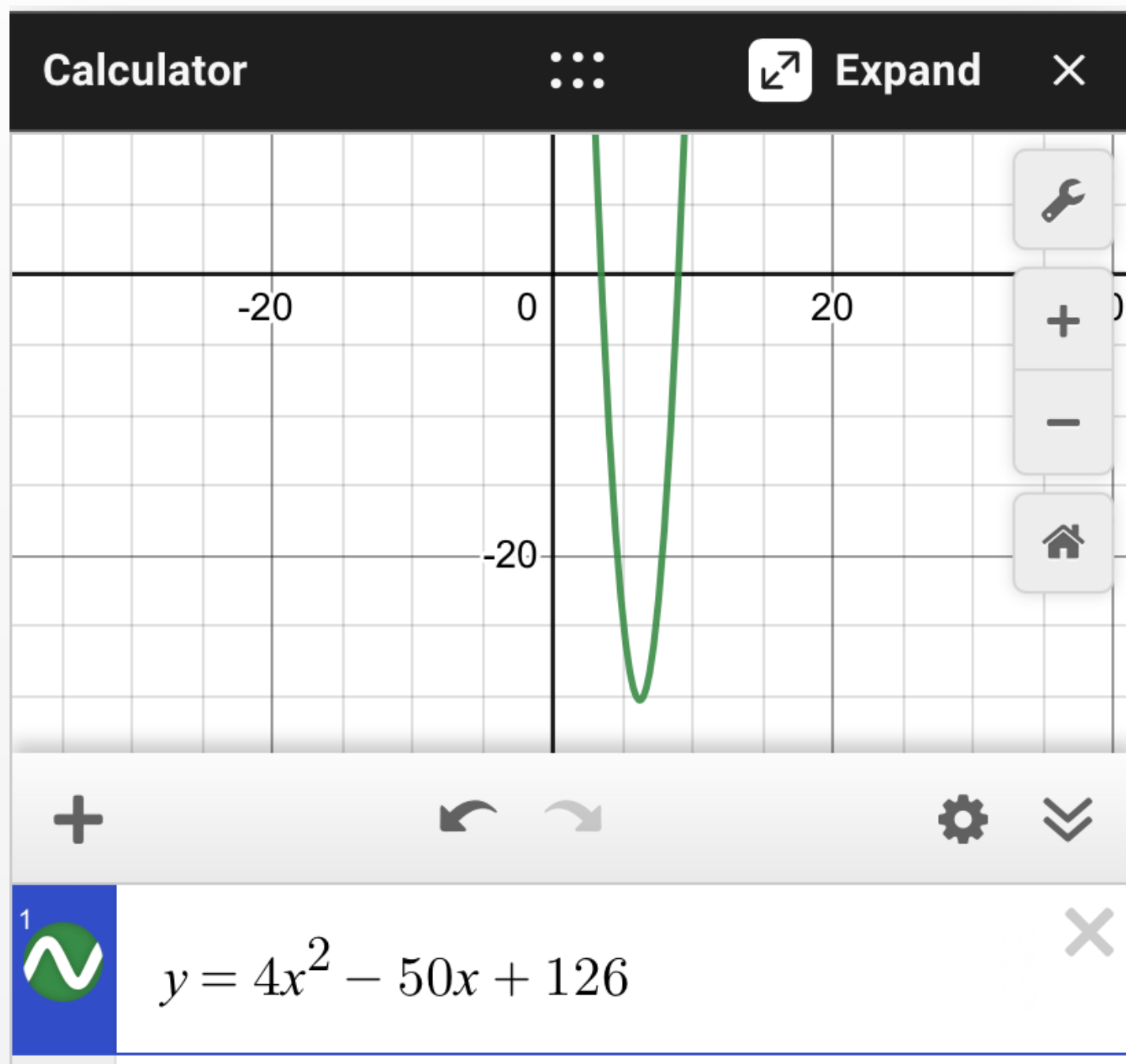
Mark for Review

$$\frac{55}{x+6} = x$$

What is the positive solution to the given equation?

Answer Preview:

PSAT CALCULATOR-DESMOS



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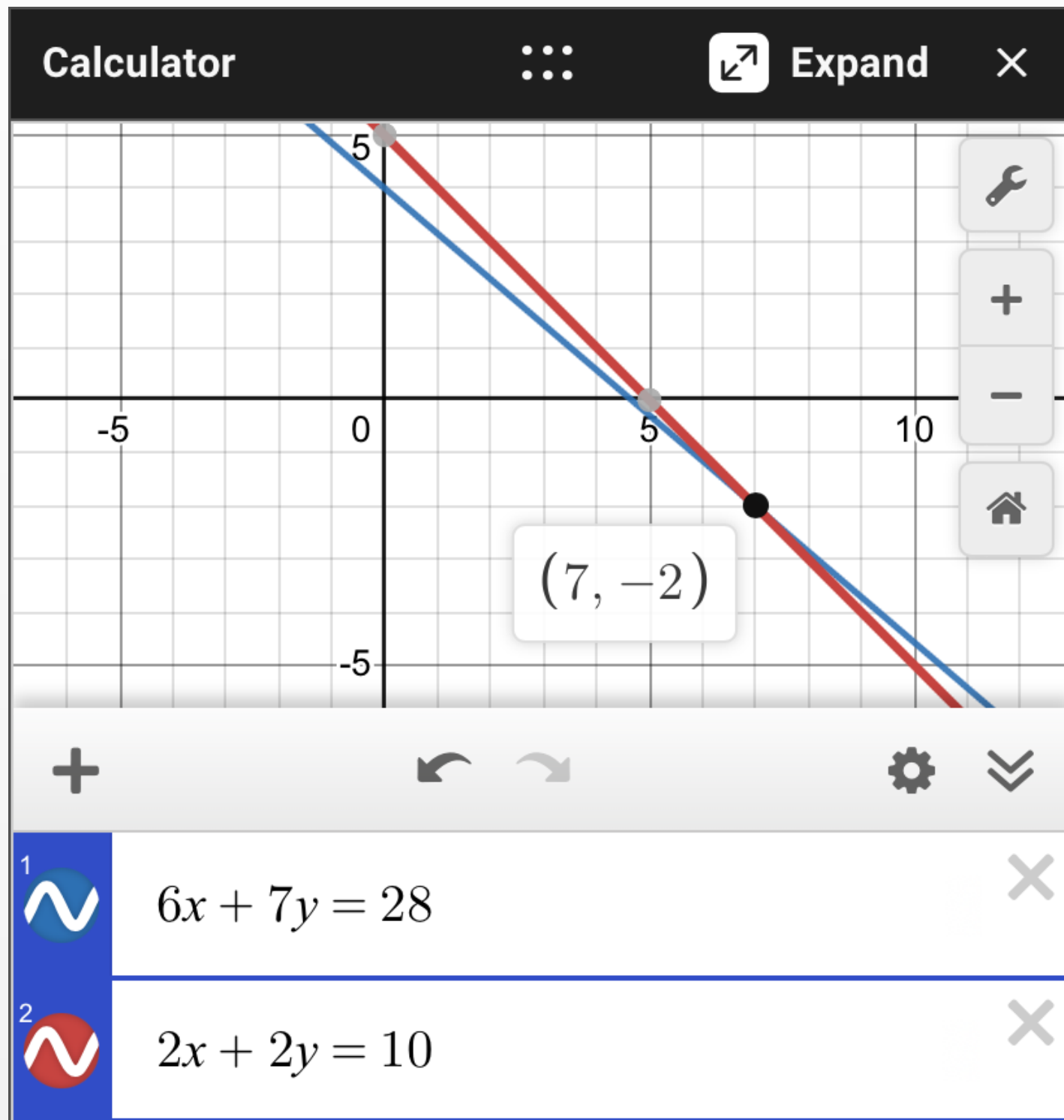
Mark for Review

$$f(x) = 4x^2 - 50x + 126$$

The given equation defines the function f . For what value of x does $f(x)$ reach its minimum?

Answer Preview:

PSAT CALCULATOR-DESMOS



18 Mark for Review

$$6x + 7y = 28$$

$$2x + 2y = 10$$

The solution to the given system of equations is (x, y) . What is the value of y ?

(A) -2

(B) 7

(C) 14

(D) 18

(A)

(B)

(C)

(D)

Test Mandatory

Applicants *must* submit an ACT/SAT score



GEORGETOWN UNIVERSITY

Test Optional

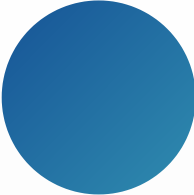
Applicants can decide whether to submit an ACT/SAT score



Test Blind

Schools *will not* consider ACT/SAT score as a factor in admissions





QUESTIONS?

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