



Pre-Algebra

D-Block

Agenda:

- MCAS REVIEW

To Do Now:

- Have your notebook on your desk.
- Calculators-Sign on

Homework:

None

Nov 4-10:28 AM

MCAS Tuesday/Wednesday

Things to remember:

- ANSWER ALL QUESTIONS...don't skip any
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- Open Response questions...answer with MORE information, not less. Assume the grader does not know any math at all and you have to explain each and every part.

CONCEPTS:

- Distributive Property $ab + ac = a(b + c)$
- Pythagorean Triplets 3 - 4 - 5 and multiples of them!
- Sum of all angles in polygon: $(\text{number of sides} - 2)(180^\circ)$
- Solving equations
- SLOPE Positive is UP from left to right, Negative is DOWN
- $y = mx + b$
- Square roots are usually Irrational!

May 9-6:45 AM

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2 / 8 150% Find

Mathematics

Question 5 is a short-answer question. Write your answer to this question in Student Answer Booklet. Do not write your answer in this test booklet. You the test booklet.

5 What is the solution to the equation below?

$$3x + 9 = -6$$
$$\begin{array}{r} -9 \quad -9 \\ \hline \end{array}$$
$$\begin{array}{r} 3x = -15 \\ \hline 3 \quad 3 \end{array} \quad x = -5$$

8 Mr. Jamison is the principal at a new school with an enrollment of 4 10% of the students at his school to find out which colors they would

8.50 x 11.00 in

May 9-10:06 AM

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May 9-10:07 AM

Diagram below shows the area of a trapezoid when the lengths of the bases are the same but the height is changed.

Height (in meters)	Area (in square meters)
3	7.5
5	12.5
7	17.5
9	22.5

12 A box of identically shaped light bulbs contains the following:

- 11 red light bulbs
- 13 blue light bulbs
- 10 green light bulbs
- 16 orange light bulbs

If 1 light bulb is chosen at random from the box, what is the probability that it will be green?

A. $\frac{1}{4}$

B. $\frac{1}{5}$

C. $\frac{1}{10}$

D. $\frac{1}{50}$

Handwritten notes: # FAVORABLE / # POSSIBLE, $\frac{10}{50} = \frac{1}{5}$

May 9-10:13 AM

square meters

rate of interest paid on savings accounts at a bank increased by $\frac{1}{2}\%$. Which of the following shows the rate written as a decimal?

12

15

6 The students in an eighth-grade class had a dance. They spent \$500 for a local band. The equation below can be used to find the total profit, y , if the students sold x tickets to the dance.

$$y = 4x - 500$$

What does the 4 represent in the equation?

- A. the price per ticket
- B. the cost of the band
- C. the number of tickets sold
- D. the profit made from selling x tickets

220

May 9-10:20 AM

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What happens to the perimeter of a regular hexagon as its side length increases by 1?

A. The perimeter increases by 1.
 B. The perimeter increases by 2.
 C. The perimeter increases by 3.
 D. The perimeter increases by 6.

What is the value of S when $n =$

A. 1250
 B. 1275
 C. 2500
 D. 2550

13 Elena and Kristen started new the same time. The table below their annual salaries for the first

Annual Salaries

Number of Years	Elena's Salary	Kristen's Salary
1	\$ 15,000	\$ 22,000
2	\$ 17,500	\$ 23,000
3	\$ 20,000	\$ 24,000
4	\$ 22,500	\$ 25,000
5		

8.50 x 11.00 in

May 9-10:30 AM

MCASPRACTICETEST.pdf - Adobe Reader

What happens to the perimeter of a regular hexagon as its side length increases by 1?

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Annual Salaries

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5		
6	27500	27000

Elena's salary continued to increase by the same amount each year, and Kristen's salary continued to increase by the same amount each year. Which of the following statements is true for year 6?

A. Elena's salary was \$30,000.
 B. Kristen's salary was \$26,000.
 C. Elena's salary was \$500 more than Kristen's salary.
 D. Kristen's salary was \$500 more than Elena's salary.

224

May 9-10:37 AM

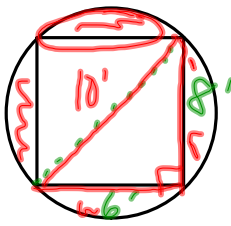
SIMPLIFY USING DISTRIBUTIVE PROPERTY

- $7(x+14)$ $7(x+2)$
- $\frac{AX}{AB} + \frac{AB}{AB}$ $A(x+B)$
- $-2x-6$
 $-2(x+3)$

25π
48

1. A LADDER IS LEANED UP AGAINST A HOUSE. THE LADDER IS 50' AND IT IS 40' UP ON THE HOUSE. HOW FAR AWAY IS THE LADDER FROM THE HOUSE?

FIND THE DIAMETER.



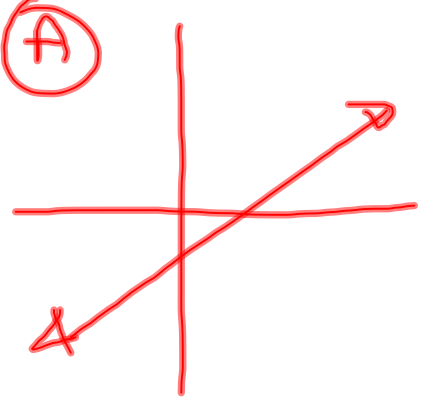
$A = \pi R^2$
 $A = \pi 5^2$
 $A = 25\pi$

May 9-7:42 AM

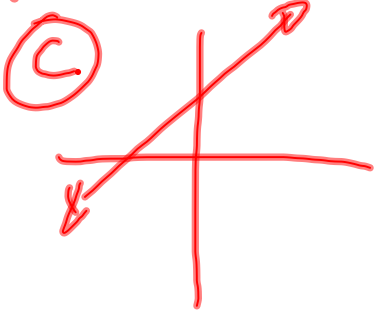
WHICH EQUATION REPRESENTS

$y = \frac{1}{2}x + 6$

(A)



(C)



May 9-8:10 AM

MCAS Tuesday/Wednesday

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May 9-6:45 AM



Intro to Algebra

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Homework:

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Nov 4-10:28 AM

MCAS Tuesday/Wednesday

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May 9-6:45 AM



Adv. Algebra

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Homework:

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Nov 4-10:28 AM

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May 9-6:45 AM

1. The vertices of a triangle are at points A (0, 0), B (7, 0), and C (12, 16). \overline{BD} is an altitude of \overline{AC} . How many units are in the length of \overline{BD} ? Express your answer as a common fraction.

May 9-12:19 PM