Mrs. Bledsoe – Plans for Home Instruction for March 19 – 27, 2020

Mrs. Bledsoe Algebra 2 7th & 9th Periods

Algebra 2: 7th & 9th Periods

Notes for the Pythagorean Theorem are provided before the assignment in this packet. Thursday, March 19, 2020: Do the "Pythagorean Theorem – Home Assignment – Day 1" Dated 3/19/2020. Friday, March 20, 2020: Do the "Pythagorean Theorem – Home Assignment – Day 2" Dated 3/20/2020. For the week of March 23 – 25, 2020, Triangle Trig Review: SohCahToa Notes have been provided (1 page). Monday, March 23, 2020: Do Triangle Trig Review: SohCahToa, page 2 which is dated 3/23/2020 Tuesday, March 24, 2020: Do Triangle Trig Review: SohCahToa, page 3 & page 4 which are dated 3/24/2020 Wednesday, March 25, 2020: Do Triangle Trig Review: SohCahToa, page 5 which is dated 3/25/2020 Thursday, March 26, 2020: SohCahToa Home Assignment, Day 6 which is dated 3/26/2020. Friday, March 27, 2020: SohCahToa Home Assignment, Day 7 which is dated 3/27/2020.

Please do the best you can on these assignments. I hope you are not overwhelmed and that you do not get sick. Any messages via Livegrades or email are welcomed and encouraged. My school email is <u>mbledsoe@k12.wv.us</u>. I know this transition is a bit difficult and you may need help so I will be watching for questions and trying to provide assistance as much as possible.

Remember to take some breaks and relax after you have a plan on how to keep up with the work assigned and know how much break time you have. Don't procrastinate. Be responsible. Be safe.

Sincerely,

Mrs. Melissa Bledsoe

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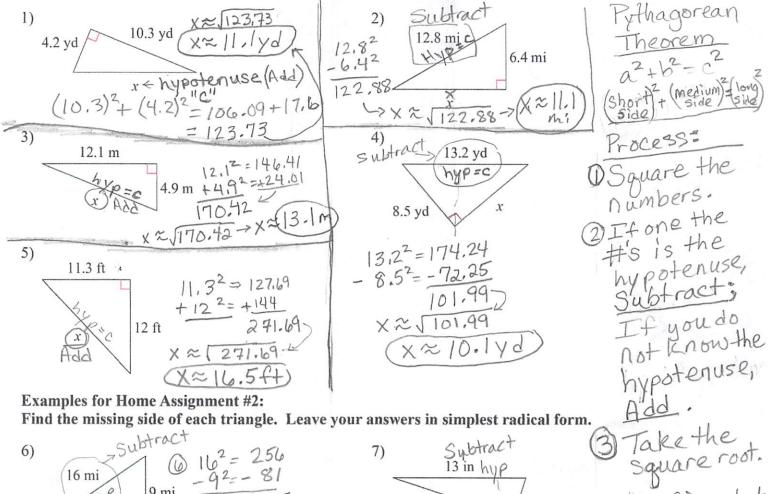
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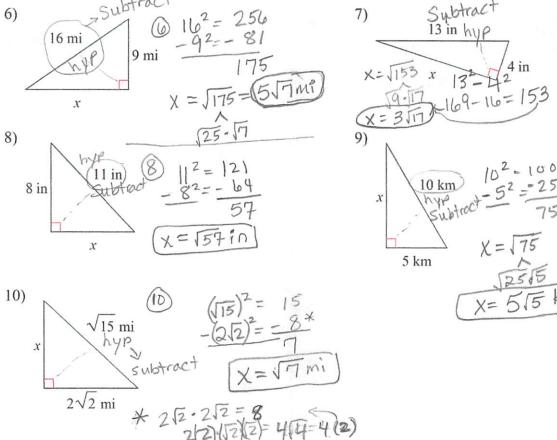
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Pythagorean Theorem Home Notes Days 1 & 2 Examples for Home Assignment #1: Examples

Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

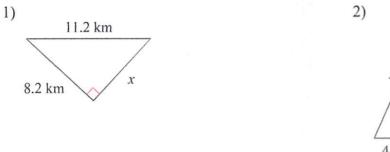


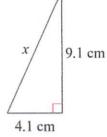


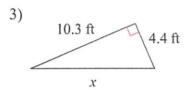
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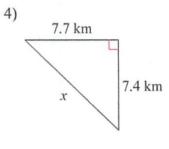
Pythagorean Theorem - Home Assignment - Day 1 Date: 3/19/2020 (Thursday)

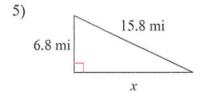
Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

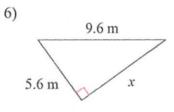


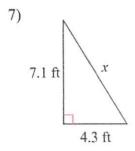


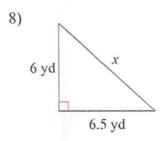










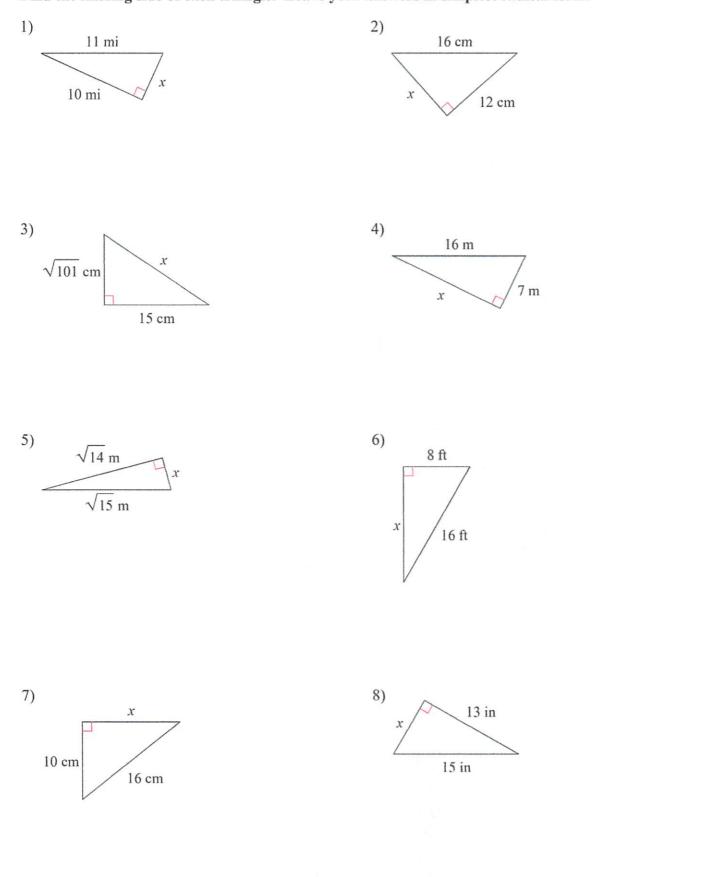


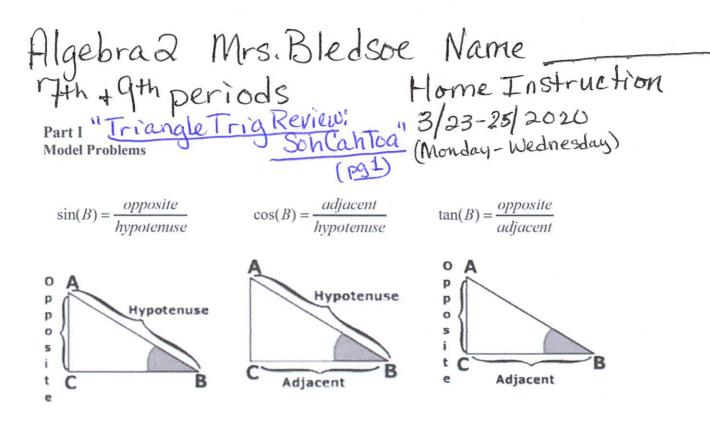
Name

Date 3/20/2020 (Friday)

Pythagorean Theorem - Home Assignment (Day 2)

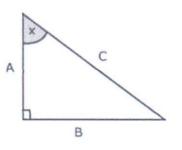
Find the missing side of each triangle. Leave your answers in simplest radical form.



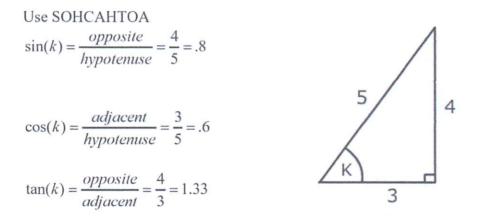


Model Problem 1) Identify The side adjacent, opposite to angle x and the hypotenuse

Adjacent to x : A Opposite X : B Hypotenuse : C



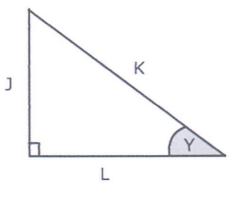
Model Problem 2) What is sin(k), cos(k) and tan(k)?



Algebra 2 Home Instruction Name_____ 7th + 9th periods Mrs. Bledsoe 3/23/2020 Monday Triangle Trig Review 2 Son Can Toa, pg2 II. Identifying Opposite, Adjacent and Hypotenuse Identify 1) the hypotenuse 2) the side opposite of $\angle Z$: 3) the side adjacent to $\angle Z$: Identify 4) the hypotenuse 5) the side opposite of $\angle H$: 6) the side adjacent to $\angle H$:

Identify

- 7) the hypotenuse
- 8) the side opposite of $\angle Y$:
- 9) the side adjacent to $\angle Y$:_____



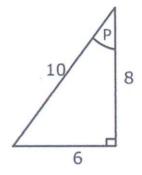
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Algebra 2 Home Instruction Name
The 49th periods Mrs. Bledsoe
$$3/24/2020$$

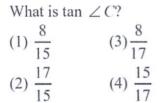
Part III. Writing Sine, Cosine, Tangent Ratios
1) Which ratio represents cos A in the
accompanying diagram of ΔABC ?
(1) $\frac{5}{13}$ (3) $\frac{12}{5}$
(2) $\frac{13}{13}$ (4) $\frac{12}{5}$

2) Which ratio represents sin P in the accompanying triangle?

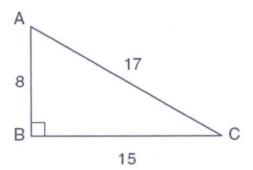
$(1)\frac{6}{10}$	$(3)\frac{6}{8}$
$(2)\frac{8}{10}$	$(4)\frac{10}{6}$

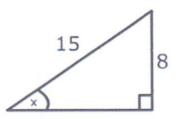


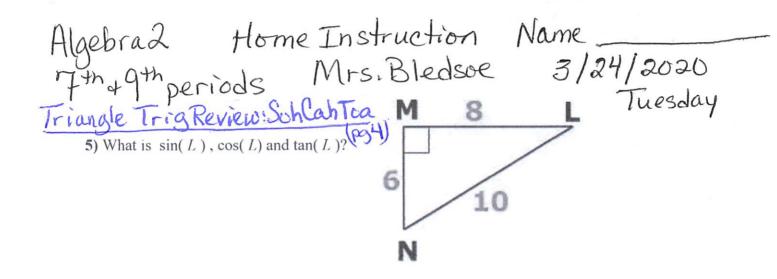
3) In the accompanying diagram of right triangle *ABC*, *AB* = 8, *BC* = 15, *AC* = 17, and $m \angle ABC = 90$.



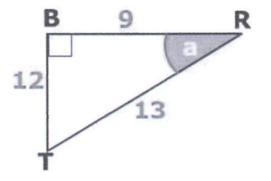
4) What is sin(x)?







6) What is sin(a), cos(a) and tan(a)?



7) In triangle *XYZ*, $\angle y = 90^{\circ}$ XY = 7, YZ = 24, and XZ = 25, which ratio represents cosine of $\angle x$?

$$(1)\frac{7}{24} \qquad (3)\frac{7}{25} (2)\frac{24}{25} \qquad (4)\frac{24}{7}$$

8) In triangle *MCT*, the measure of $\angle T = 90^{\circ}$, *MC* = 85 cm, *CT* = 84 cm, and *TM* = 13 cm. Which ratio represents the sine of $\angle C$?

(1) $\frac{13}{85}$ (3) $\frac{13}{84}$ (2) $\frac{84}{85}$ (4) $\frac{84}{13}$

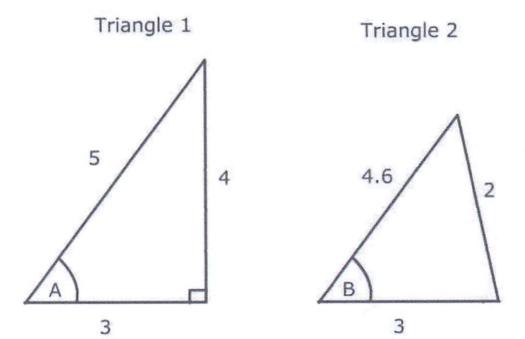
Algebra 2 Home Instruction Name 17th, 9th periods Mrs. Bledsoe 3/25/2020 Triangle Trig Review: Sch Caliton Wednesday (pg5)

Error Analysis

A teacher asks the class if they can express the sin(A) in Triangle 1 and the sin(b) in triangle 2.

Jose says $sin(A) = \frac{4}{5}$ and sin(b) does not exist. Jenny says $sin(A) = \frac{4}{5}$ and $sin(B) = \frac{2}{4.6}$

Who is correct? (explain your reasoning)

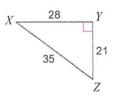


Algebra 2 Mrs. Bledsoe - 7th & 9th Periods Name

Date 3/26/2020 (Thursday)

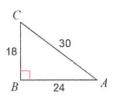
SohCahToa - Home Assignment - Day 6 Find the value of each trigonometric ratio.

1) $\sin Z$

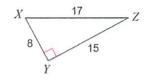


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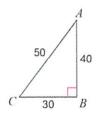




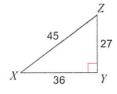




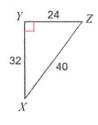
5) $\sin A$



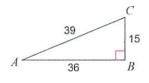
7) $\sin Z$



6) $\sin Z$



8) $\sin A$









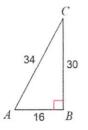
Algebra 2 Mrs. Bledsoe - 7th & 9th Periods Name

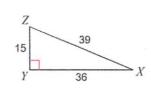
2) $\cos Z$

SohCahToa - Home Assignment - Day 7

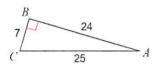
Find the value of each trigonometric ratio. Write your answers as reduced fractions.

1)
$$\cos C$$

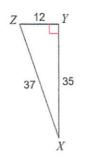




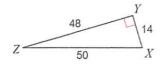
3) $\cos C$



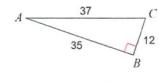




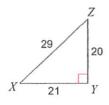
5) $\cos X$



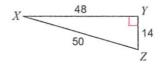
6) $\cos A$



7) $\cos X$



8) $\cos X$



Date: 3/27/2020 (Friday)