

Thursday 3/12/2020

1. Put your phones/earbuds away
2. Take out HW (answers on board)
3. Start working on your Unit 2C Quiz Review/
Practice

Jul 31-9:37 PM

Classwork:



Complete the quiz review to prepare for Unit 2C
Quiz 1

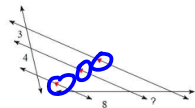
HW: - Start studying for your test!!

Jul 31-9:12 PM

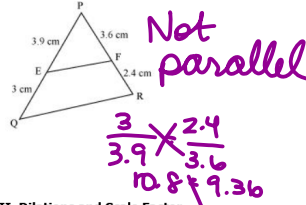
Name: _____ Date: _____ Unit 2C Quiz Practice

I. Triangle Proportionality

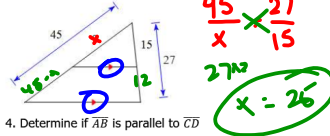
1. Solve for the missing length.



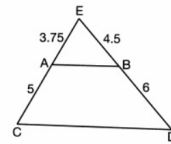
3. Determine if \overline{EF} is parallel to \overline{QR}



2. Find the missing length.

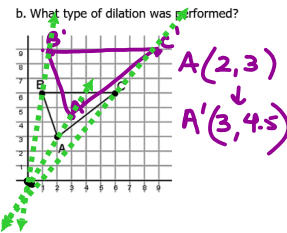


4. Determine if \overline{AB} is parallel to \overline{CD}

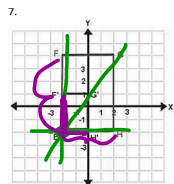
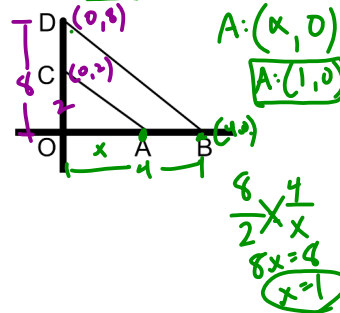


II. Dilations and Scale Factor

5. a. Graph the new image using the rule $(x, y) \rightarrow (\frac{1}{2}x, \frac{1}{2}y)$ and centered at the origin



6. If $\triangle COA \sim \triangle DOB$, $D(0, 8)$, $C(0, 2)$, and $B(4, 0)$. What is the coordinate of A?



a. Find the center of dilation.
 $(-2, -2)$

b. Calculate the scale factor.
 $k = \frac{N}{O} = \frac{3}{6} = \frac{1}{2}$

8. AJ wants to increase the size of the border that surrounds her garden. She wants to make it 3 times larger than what it is currently. Her current garden border is 3 ft by 5 ft. $K=3$

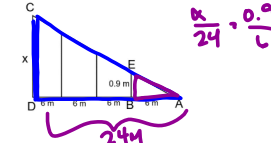
A. What is the perimeter of the old garden?
16 ft.

B. What is the perimeter of the new garden?
48 ft. $K(16)$

C. How many times larger will the perimeter of the new garden be to the old garden?
 $\frac{48}{16} = 3$

III. Similar Figures

9. If $\triangle CAD \sim \triangle EAB$, solve for CD.



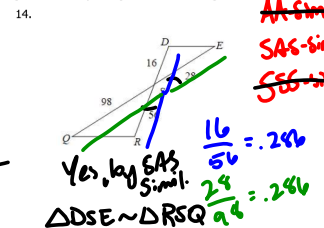
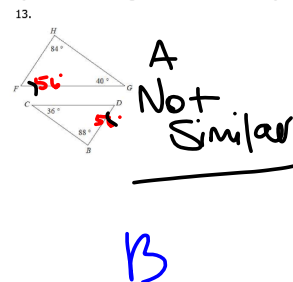
10. What two properties must similar figures have? (HINT: something about the sides AND angles)

- ① Angles \cong
- ② Prop. sides.

IV. Proving Similar Triangles

12. What are the only ways triangles can be similar?

a) State if the triangles are similar or not. B) If they are similar, complete a similarity statement.

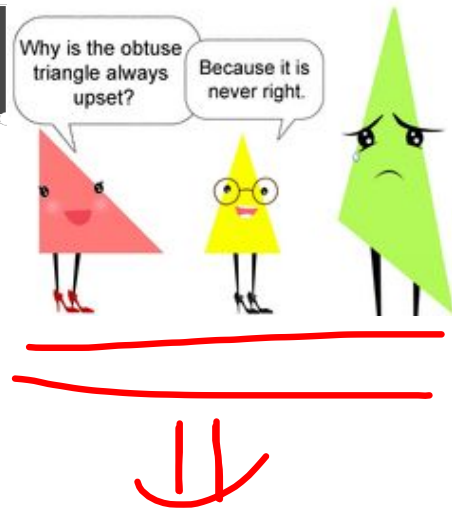


Unit 2 Quiz 2



1. There is **NO communication/eye contact** during a quiz to anyone!

2. When you are **DONE**, put your quiz into the bin.



Aug 6-6:36 PM