NAME	DATE	DED
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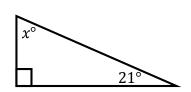
5.1, 5.2, & 5.4 TEST REVIEW 5 points added to your test, if complete! PART 1. IMPORTANT GEOMETRIC TERMS Write a thorough definition and draw a picture for each of the faller in the f

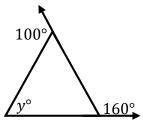
write a thorough definition and draw a picture for each of the following geometric terms.		
1. Triangle		
2. Scalene Triangle		
3. Isosceles Triangle		
4. Equilateral Triangle		
5. Acute Triangle		
6. Obtuse Triangle		
7. Right Triangle		
8. Equiangular Triangle		
PART 2. TRIANGLE BASION The measures of two angle then classify the triangle by	es of a triangle are given. Fi	nd the measure of the third angle,
9. Third Angle =		57°, 33°
Classification:		
10. Third Angle =		36°, 52°
Classification:		
11. Third Angle =		50°, 50°
Classification:		

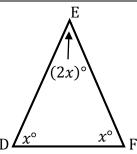
PART 3. ANGLES OF TRIANGLES

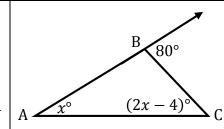
Find the specified value(s).











PART 4. CONGRUENT TRIANGLES

Given each set of congruent triangles, complete each of the following.

$$\angle P \cong \underline{\qquad} \overline{EO} \cong \underline{\qquad}$$

$$\angle R \cong \underline{\qquad} \overline{EF} \cong \underline{\qquad}$$

$$\Delta$$
RSP $\cong \Delta$ FOE

 Δ SRP $\cong \Delta$ ______

17.
$$\angle A \cong \underline{\hspace{1cm}} \overline{AB} \cong \underline{\hspace{1cm}}$$

$$\overline{AB} \cong$$

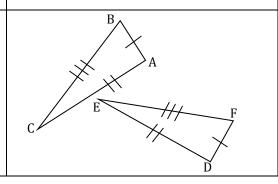
$$\angle B \cong \underline{\qquad} \overline{BC} \cong \underline{\qquad}$$

$$\overline{\mathrm{BC}}\cong$$

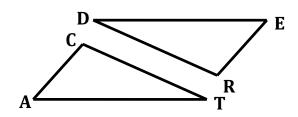
$$\angle C \cong \underline{\qquad} \overline{AC} \cong \underline{\qquad}$$

$$\overline{AC} \cong$$

$$\triangle ABC \cong \triangle$$

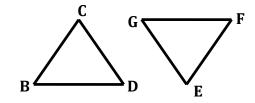


18. If $\triangle CAT \cong \triangle RED$, $m \angle D = 39^{\circ}$, and $m \angle A = 44^{\circ}$, find the following.



19. If $\triangle BCD \cong \triangle EFG$, CD = 5x + 9, and FG = 8x - 3, find the following.

$$x =$$

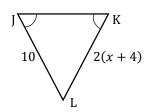


Determine whether each statement is true or false. Circle one.

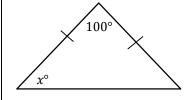
20. TRUE or FALSE	If $\triangle ABC \cong \triangle XYZ$, then $\triangle BCA \cong \triangle YZX$.
21. TRUE or FALSE	If $\triangle ABC \cong \triangle XYZ$, then $\triangle ABC \cong \triangle XZY$.
22. TRUE or FALSE	If $\triangle ABC \cong \triangle XYZ$, then $\triangle BCA \cong \triangle ZYX$.

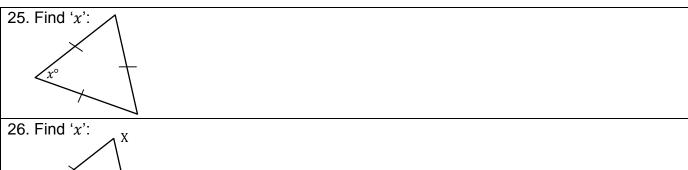
PART 5. ISOSCELES AND EQUILATERAL TRIANGLES Find the following.

23. Find 'x':



24. Find 'x':





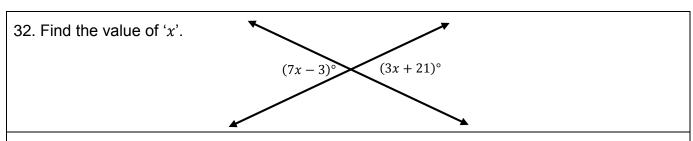
 $Z = \begin{bmatrix} 2x - 20 \\ 10 \end{bmatrix}$

PART 6. REVIEW

For each of the following pairs of angles, tell what type of pair they are, and tell whether each pair is congruent or supplementary.

appiementai	1/2	_	_
	4/3		
8	<u>6/5</u> /7	—	→

ANGLE PAIR	TYPE	\cong or SUPPLEMENTS
27. ∠1 and ∠6		
28. ∠2 and ∠7		
29. ∠5 and ∠3		
30. ∠4 and ∠5		
31. ∠1 and ∠7		



33. If A(2,3) and B(-4,-6), find AB.

34. Find the midpoint of \overline{AB} described in #33.

A Mishmash of Answers:

