Geometry Ch. 3 review

Quiz 3.5-3.6 today (There is at least one construction) Test Ch. 3 is Mon. (There is at least one construction)

Poetry project due Mon. EOD

whiteboards

Standardized Test Example 2 Use Angle Relationships

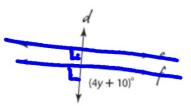
PT

OPEN ENDED Find $m \angle MRQ$ so that $a \mid\mid b$. Show your work.

$$\begin{array}{c}
M \\
(5x+7)^{\circ} \quad p \\
C \quad (7x-21)^{\circ} \\
C \quad N
\end{array}$$

GuidadPractice

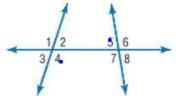
2. Find y so that e || f. Show your work.



Classify the relationship between each pair of angles as alternate interior, alternate exterior, corresponding, or consecutive interior angles.

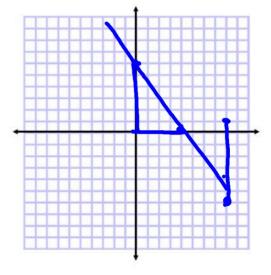


- 2. ∠4 and ∠7 CIA 3. ∠5 and ∠4 A1A



Determine the slope of the line that contains the given points.

$$m=\frac{7}{0}$$



In the figure, $m \angle 8 = 96$ and $m \angle 12 = 42$. Find the measure of each angle. Tell which postulate(s) or theorem(s) you used.

8. 29 xx496=180

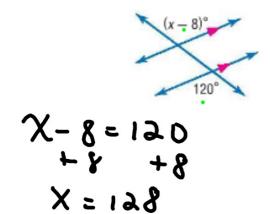
9. Z11 X+42=180

10. ∠6

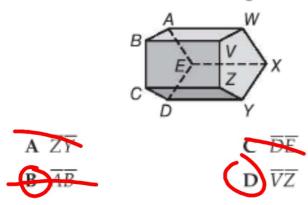
42 AIA

42 CA

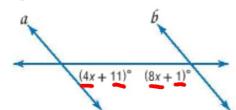
11. Find the value of *x* in the figure below.



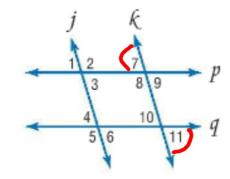
18. MULTIPLE CHOICE Which segment is skew to \overline{CD} ?



19. Find x so that $a \parallel b$. Identify the postulate or theorem you used.



Given the following information, determine which lines, if any, are parallel. State the postulate or theorem that justifies your answer.



Write equations of parallel lines

Write equations of perpendicular lines

Slope-intercept form

Point-slope form