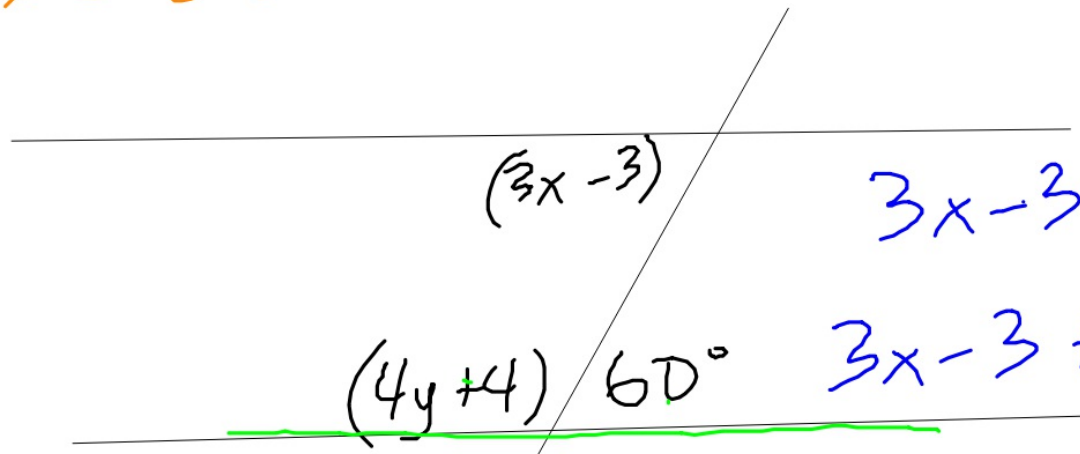
I am passing back your ch 3 quizzes. Review any problems that you missed and have questions ready for when I am *finished* passing out papers.

$3x-3=60$



$60+4y+4=180$

$64+4y=180$

$-64 \quad -64$

$\frac{4y}{4}=\frac{116}{4}$

$y=29$

$3x-3+4y+4=180$

$3x-3+4(29)+4=180$

$3x+117=180$

$-117 \quad -117$

$\frac{3x}{3}=\frac{63}{3}$

$x=21$

$$\frac{2}{4} = \frac{1}{2}$$

$$\frac{-1}{4}$$

$$m\angle 10 + m\angle 13 = 180^\circ$$

$$3x - 7 + 4x - 9 = 180$$

$$7x - 16 = 180$$

Chapter 3 Review

Write an equation in slope-intercept form for each line described.

13. passes through $(-8, 1)$, perpendicular to $y = 2x - 17$

x_1, y_1

slope $= \frac{2}{1}$

$m = -\frac{1}{2}$

$y - y_1 = m(x - x_1)$

$y - 1 = -\frac{1}{2}(x - (-8))$

$y - 1 = -\frac{1}{2}x - 4$

$+1 \qquad +1$

$y = -\frac{1}{2}x - 3$

Write an equation in slope-intercept form for each line described.

x_1, y_1

14. passes through $(0, 7)$, parallel to $y = 4x - 19$

$m = 4$

$y - 7 = 4(x - 0)$

$y - 7 = 4x - 0$

$+7 \qquad +7$

$y = 4x + 7$

Write an equation in slope-intercept form for each line described.

15. passes through $(-12, 3)$, perpendicular to $y = -\frac{2}{3}x - 11$

x_1, y_1

$m = \frac{3}{2}$

$\frac{3}{2} \times \frac{12}{1} = \frac{36}{2}$

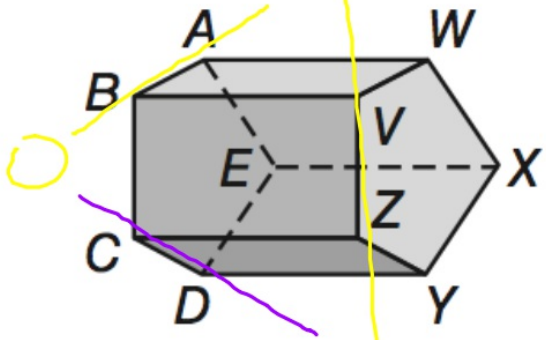
$y - 3 = \frac{3}{2}(x - (-12))$

$y - 3 = \frac{3}{2}x + 18$

$+3 \qquad +3$

$y = \frac{3}{2}x + 21$

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



A $\overline{ZY}$

B $\overline{AB}$

C $\overline{DE}$

D $\overline{VZ}$