

2.1 - 2.4 Quiz Review

Questions #1 & 2

- a. 8 ft.      b.  $\angle T$
- c. 3 ft      d.  $P = 5 + 4 + 8 + 3$

Perimeter of  
QRST = 20 ft

Question #4 (skipped #3)

Angles CORRESPOND Sides

- |                           |                                     |
|---------------------------|-------------------------------------|
| $\angle Q$ and $\angle X$ | $\overline{QR}$ and $\overline{XW}$ |
| $\angle R$ and $\angle W$ | $\overline{RS}$ and $\overline{WZ}$ |
| $\angle S$ and $\angle Z$ | $\overline{ST}$ and $\overline{ZY}$ |
| $\angle T$ and $\angle Y$ | $\overline{TQ}$ and $\overline{YX}$ |

Also OK to say they are congruent

$\angle Q \cong \angle X$        $\overline{QR} \cong \overline{XW}$

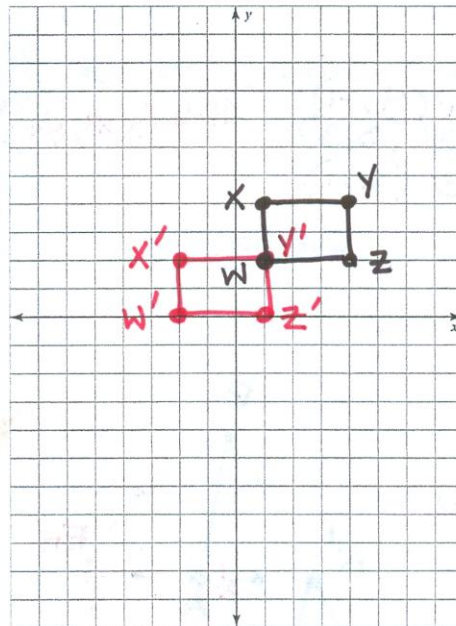
Questions #5 & 6

5. No - this is a dilation

6. Yes - this is a slide



Question #7

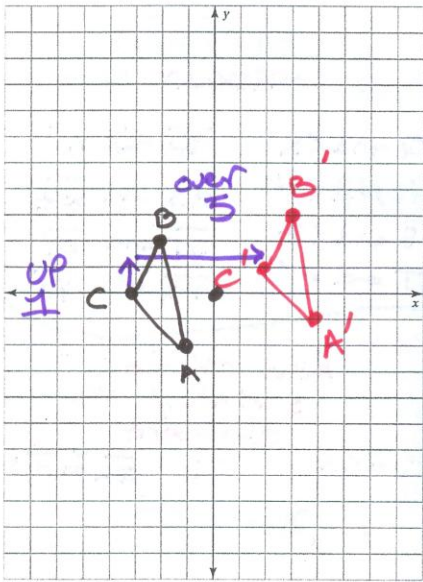


Name the coordinates of the image

Rule:  $(x-3, y-2)$

- $w' (-2, 0)$
- $x' (-2, 2)$
- $y' (1, 2)$
- $z' (1, 0)$

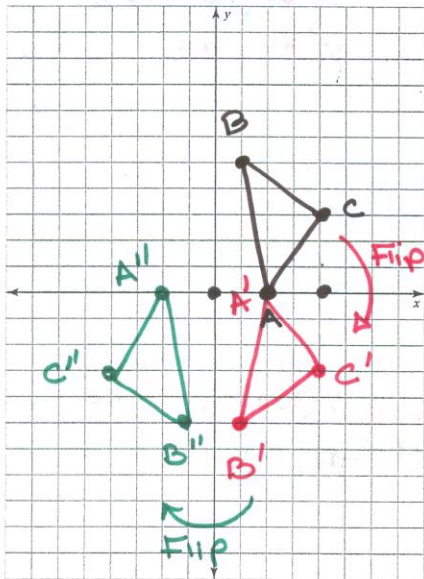
Question #8



Name the coordinates of the image

$A'(4, -1)$   
 $B'(3, 3)$   
 $C'(2, 1)$       Rule  $(x+5, y+1)$

Question #11



Question #9 & 10

9. No - the image is a rotation

10. Yes - reflection

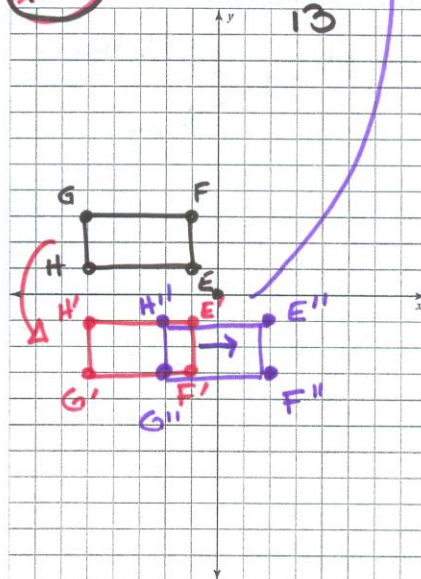
Sorry - I didn't leave room for #13! coordinates!

#13 coordinates

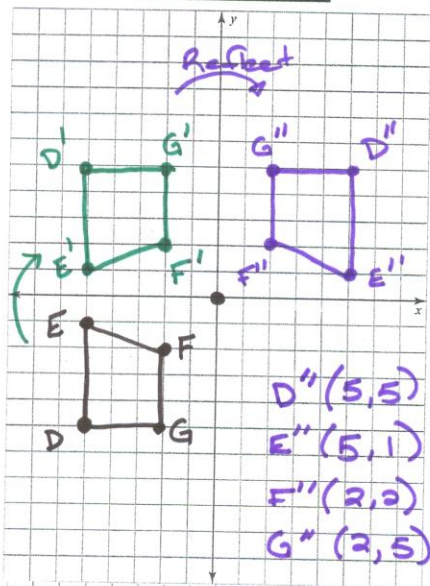
$E''(2, -1)$   
 $F''(2, -3)$   
 $G''(-2, -3)$   
 $H''(-2, -1)$

#13

Question #12



Question #12



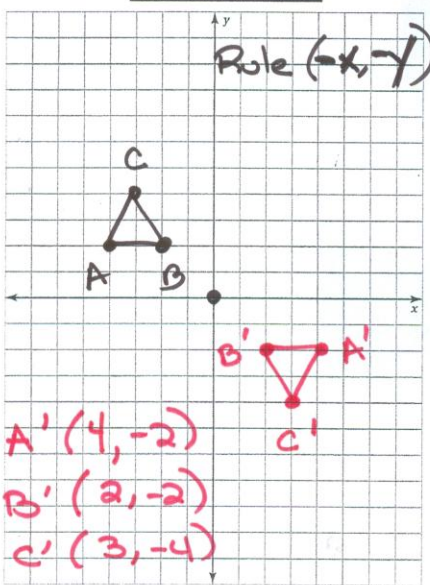
Name the coordinates of the image

Question #14 & #15

14. No - It's a translation

15. Yes - it is a  $180^\circ$  rotation in either direction

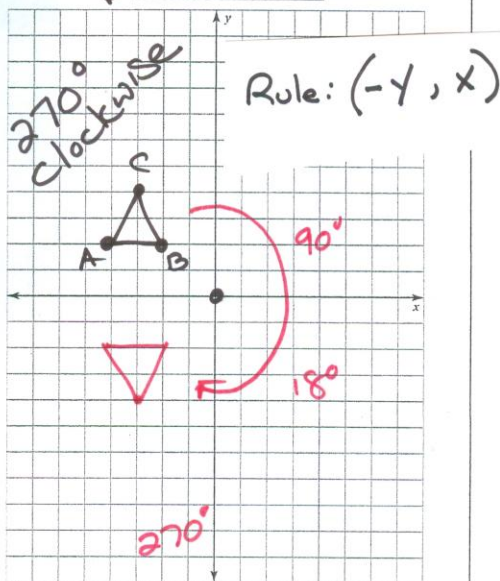
Question #16



Name the coordinates of the image

$A'(4,-2)$   $B'(2,-2)$   $C'(3,-4)$

Question #17



Name the coordinates of the image

$A'(-2,-4)$   $B'(-2,-2)$   $C'(-4,3)$