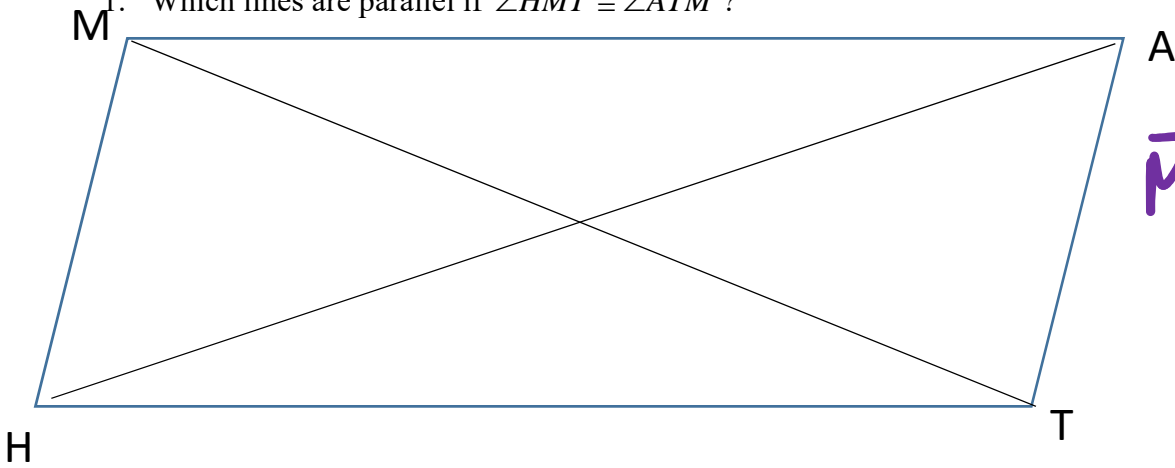


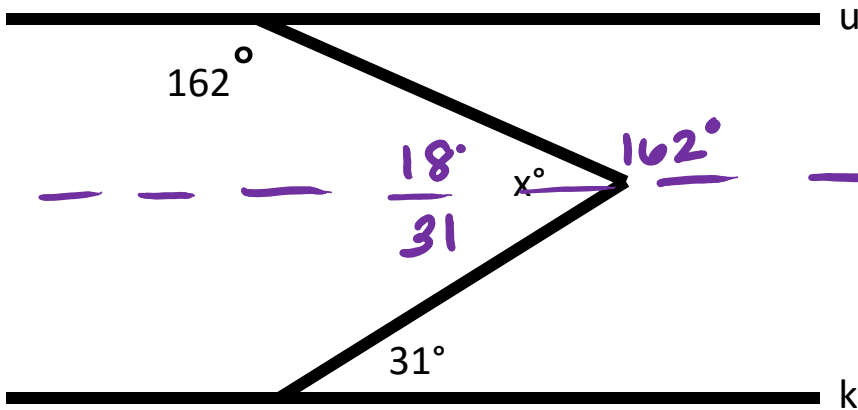
Geometry Honors
4.5-5.3 Algebra review

1. Which lines are parallel if $\angle HMT \cong \angle ATM$?



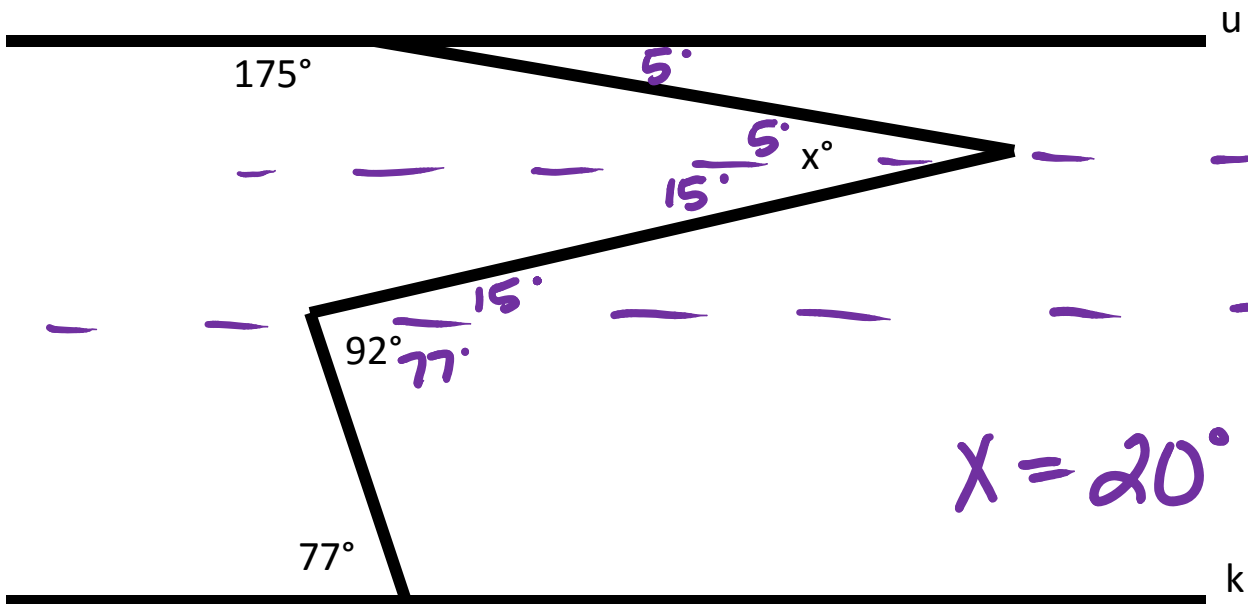
$\overline{MH} \parallel \overline{AT}$

2. Solve for x if line u is parallel to line k.



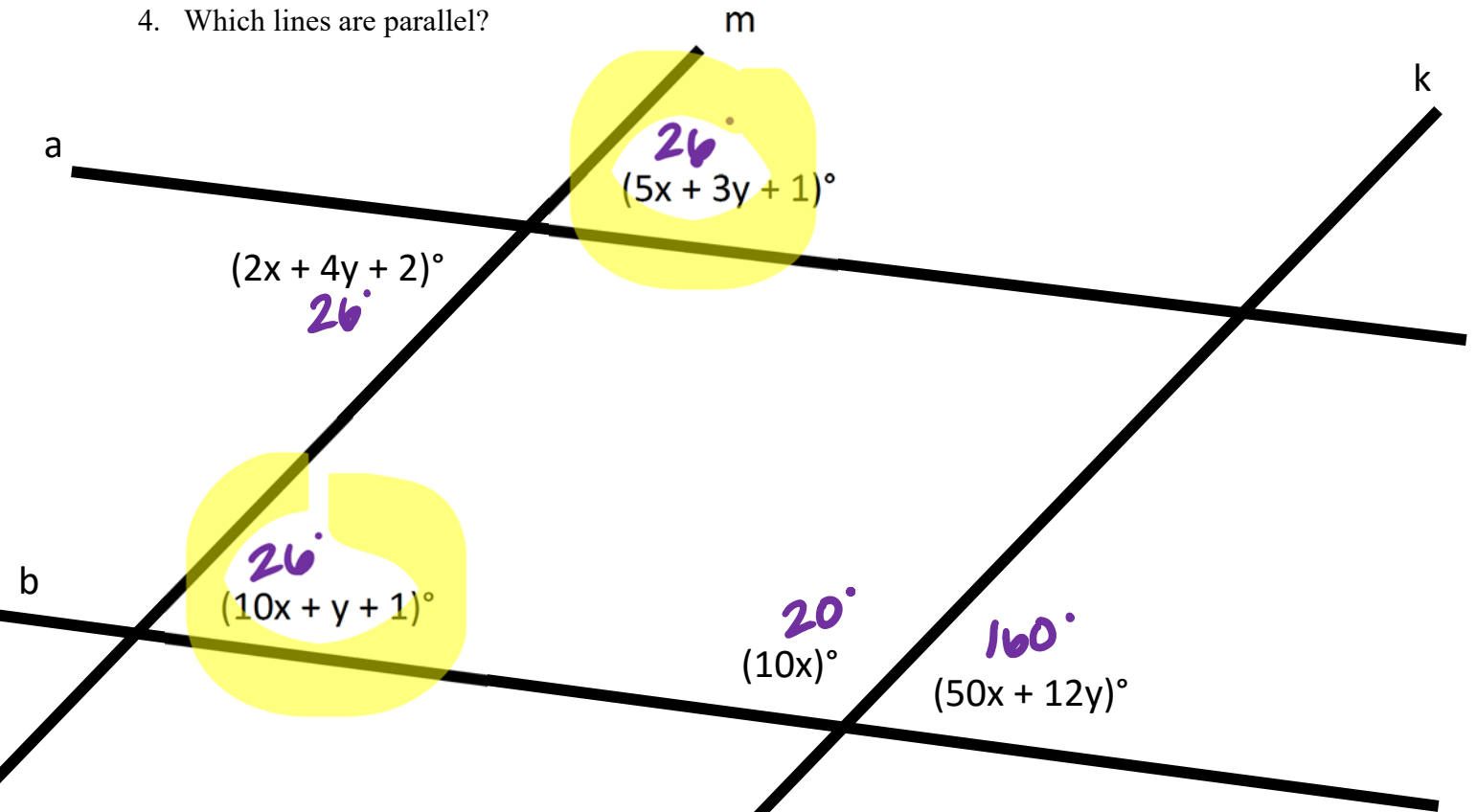
$x = 49^\circ$

3. Solve for x if line u is parallel to line k.



$x = 20^\circ$

4. Which lines are parallel?



$$\begin{cases} 5x + 3y + 1 = 2x + 4y + 2 \\ 10x + 50x + 12y = 180 \end{cases}$$

$$(3x - y = 1) \cdot -20$$

$$60x + 12y = 180$$

$$-60x + 20y = -20$$

$$32y = 160$$

$$y = 5$$

$$x = 2$$

Line a || b
and m is the
transversal