

Angle Relationships Practice

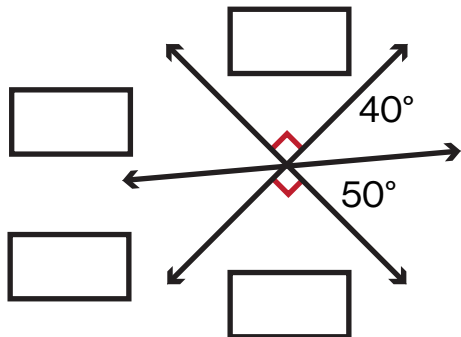
Name: _____

Date: _____

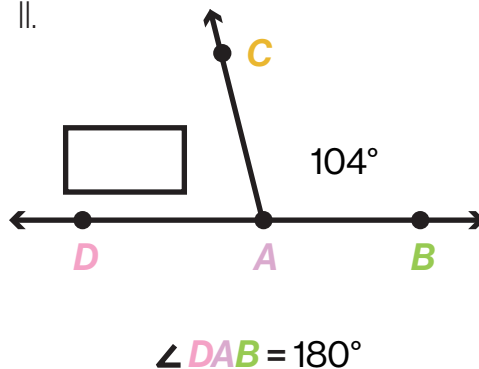
Question 1

Determine the unknown angle measurements (degrees)

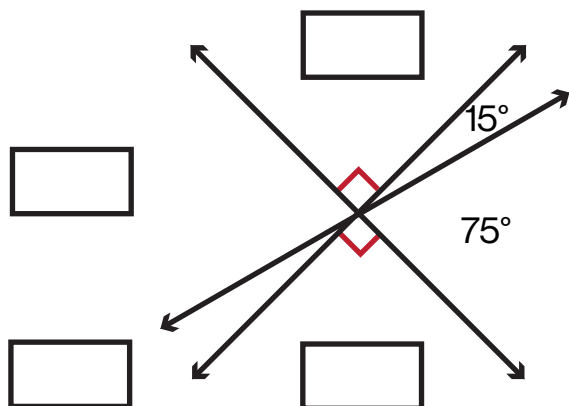
I.



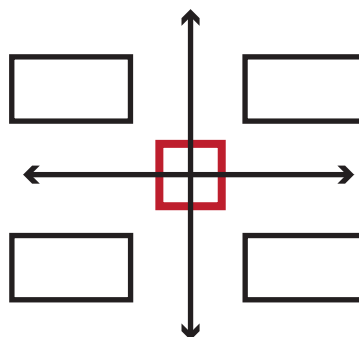
II.



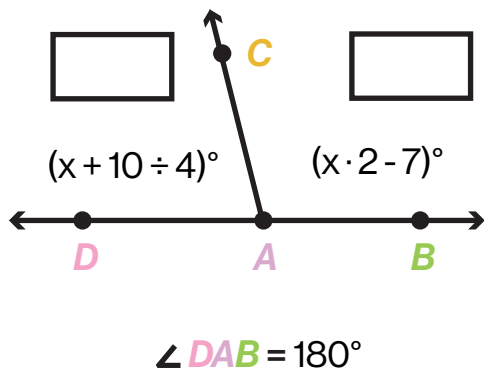
III.



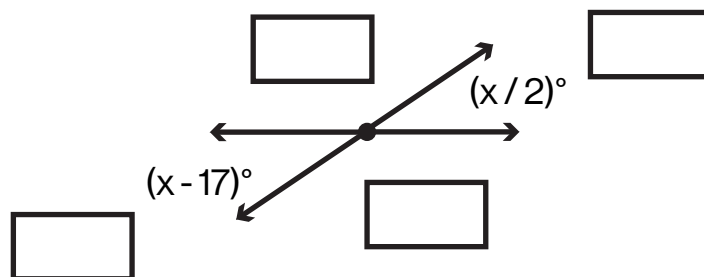
IV.



V.



VI.

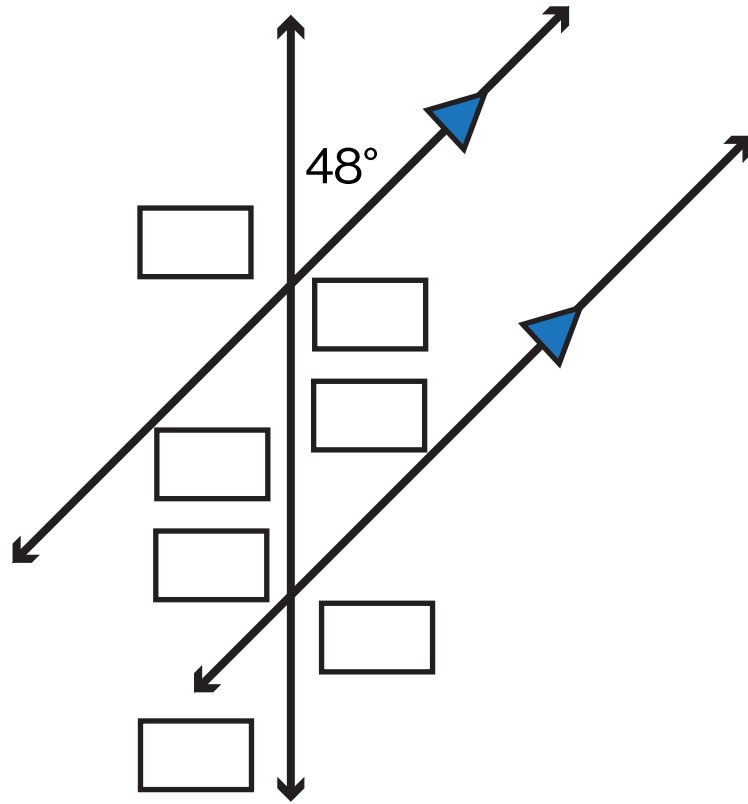


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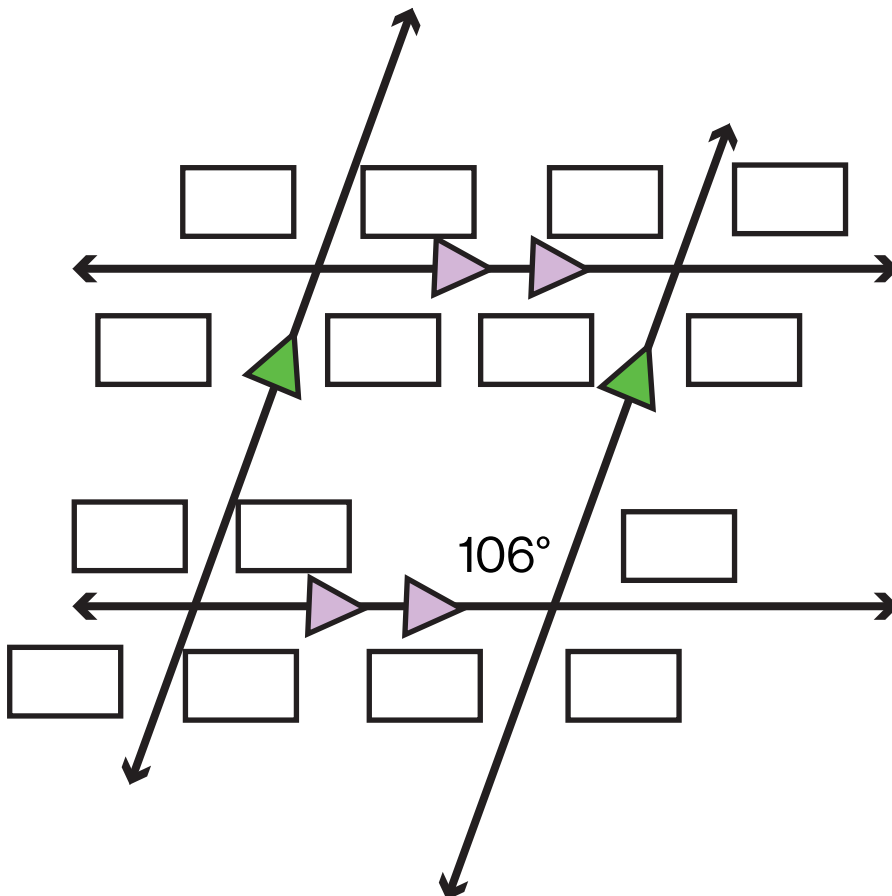
Question 2

Determine the unknown angle measurements (degrees)

I.



II.



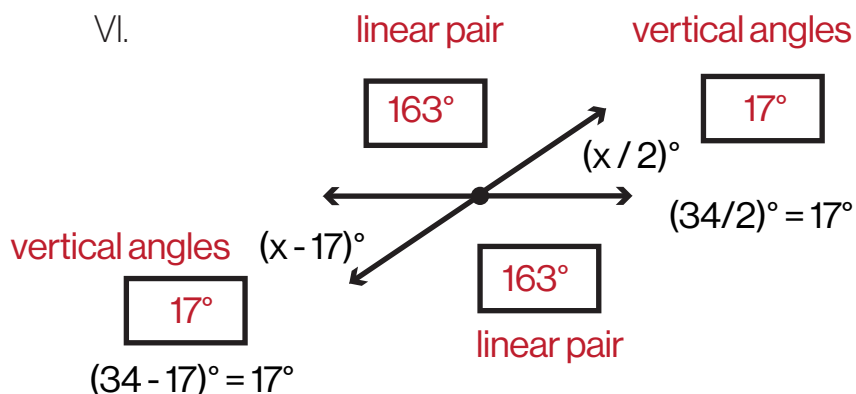
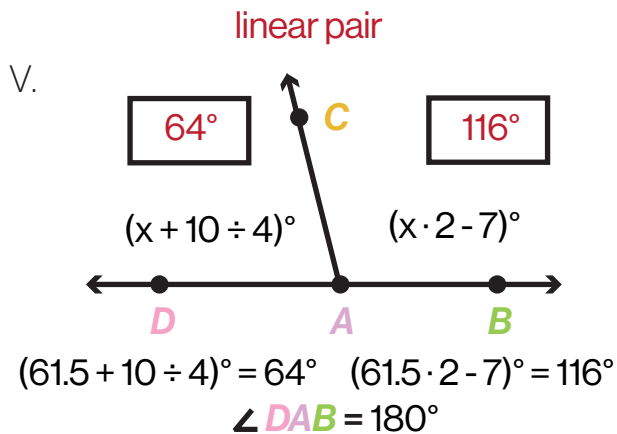
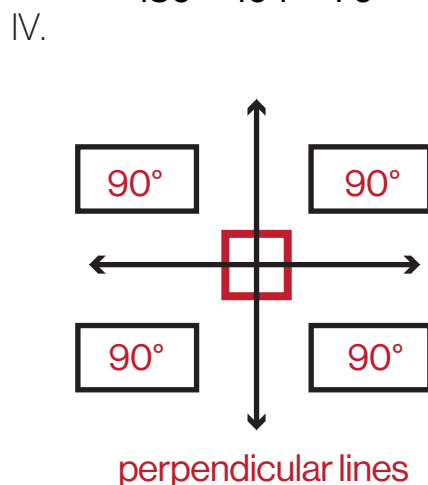
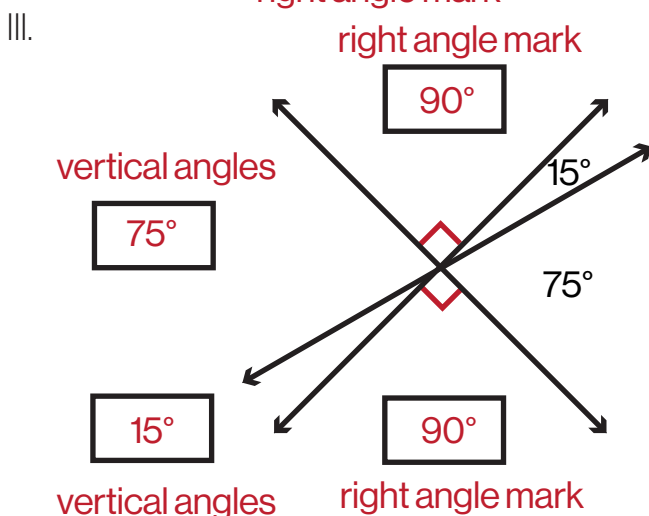
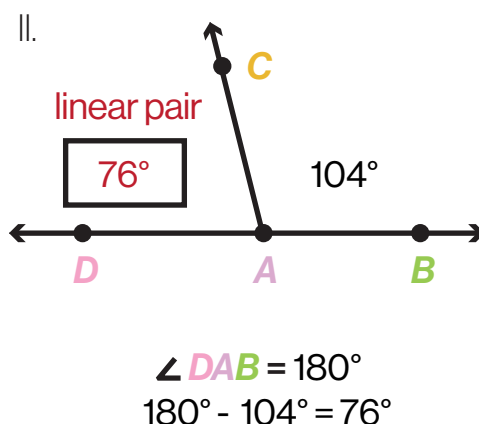
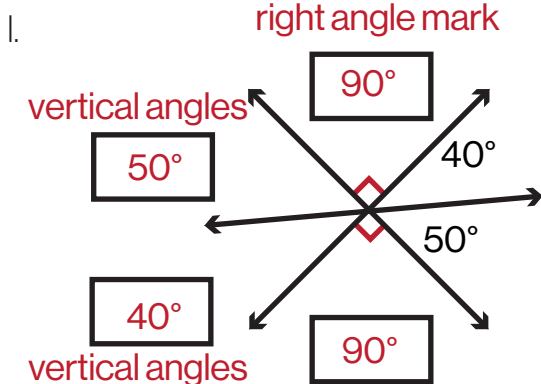
Angle Relationships Practice

Name: _____ **Key**

Date: _____

Question 1

Determine the unknown angle measurements (degrees)



$$\begin{aligned} (x \cdot 2 - 7) + (x + 10 \div 4) &= 180 & 3x &= 184.5 \\ 2x - 7 + x + (10 / 4) &= 180 & x &= 61.5 \\ 3x - 7 + (2.5) &= 180 \\ 3x - 4.5 &= 180 \\ 3x &= 180 + 4.5 \end{aligned}$$

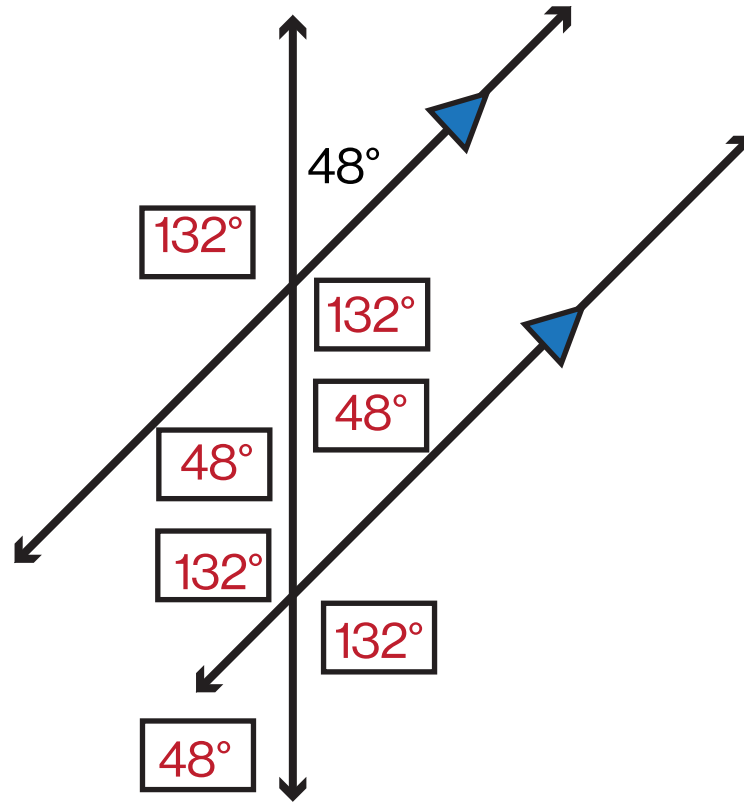
$$\begin{aligned} (x - 17) &= (x / 2) \\ (x - 17) \cdot 2 &= x \\ 2x - 34 &= x \\ 2x - 34 - x &= 0 \\ x - 34 &= 0 \\ x &= 34 \end{aligned}$$

Angle Relationships Practice

Question 2

Determine the unknown angle measurements (degrees)

I.



II.

