

Practice Sheet for Parallel Lines and Transversals

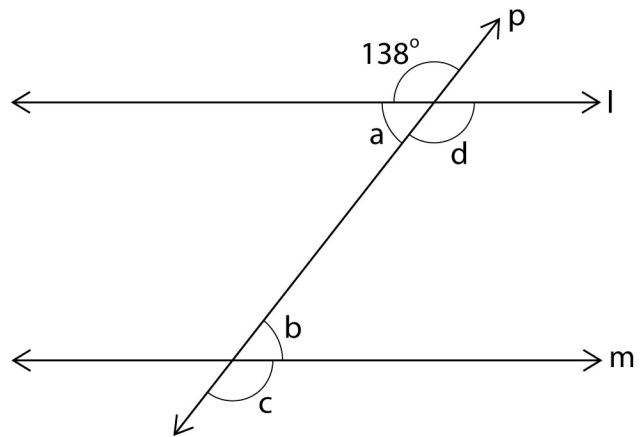
A) Find the angles in the figure below as directed.

1) $m\angle a = \underline{42^\circ}$

2) $m\angle c - m\angle b = \underline{96^\circ}$

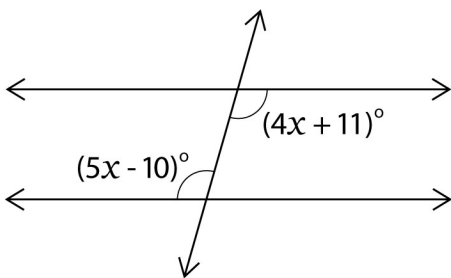
3) $m\angle c + m\angle d = \underline{276^\circ}$

4) $m\angle d = \underline{138^\circ}$



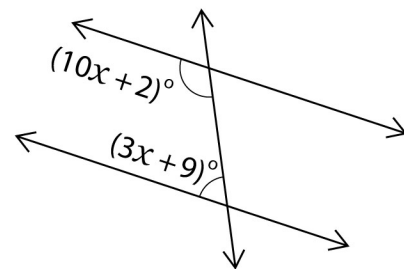
B) Solve for x.

1)



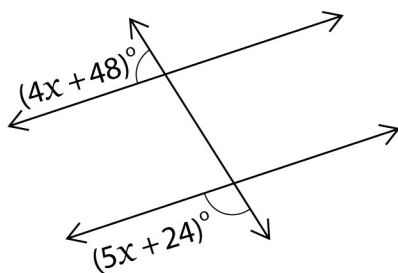
$x = \underline{\hspace{1cm}21^\circ\hspace{1cm}}$

2)



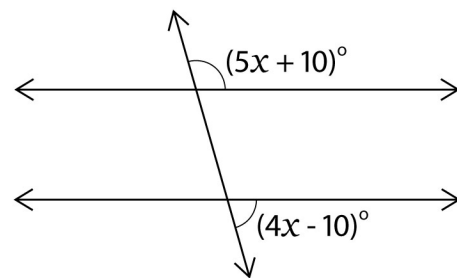
$x = \underline{\hspace{1cm}13^\circ\hspace{1cm}}$

3)



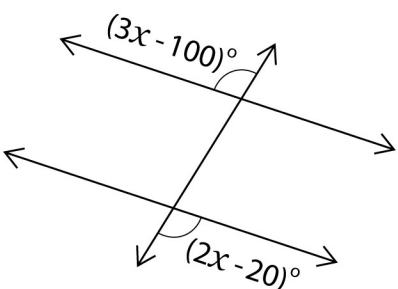
$x = \underline{\hspace{1cm}12^\circ\hspace{1cm}}$

4)



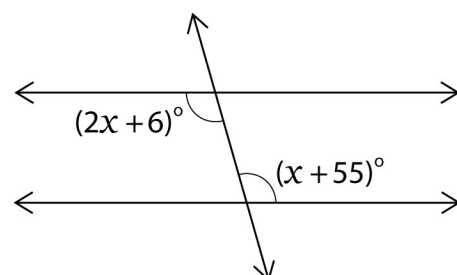
$x = \underline{\hspace{1cm}20^\circ\hspace{1cm}}$

5)



$x = \underline{\hspace{1cm}80^\circ\hspace{1cm}}$

6)



$x = \underline{\hspace{1cm}49^\circ\hspace{1cm}}$

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A)

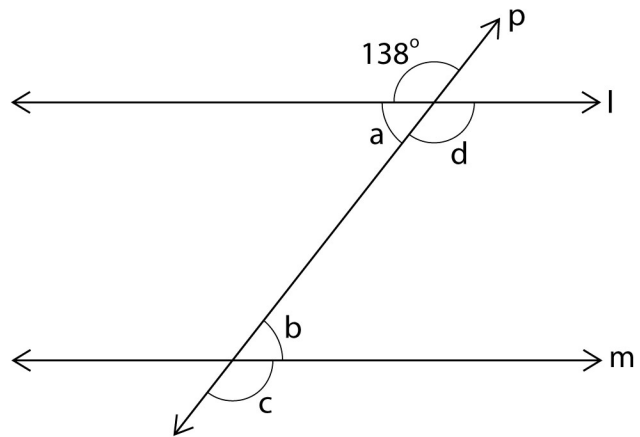
Answers

1) $m\angle a = \underline{42^\circ}$

2) $m\angle c - m\angle b = \underline{96^\circ}$

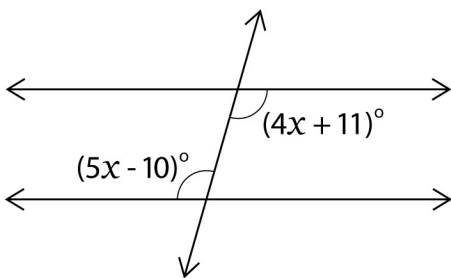
3) $m\angle c + m\angle d = \underline{276^\circ}$

4) $m\angle d = \underline{138^\circ}$



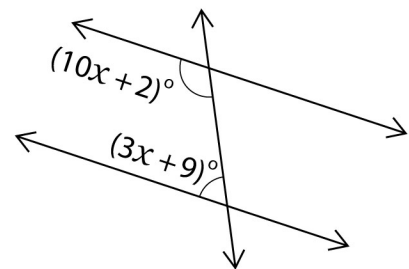
B)

1)



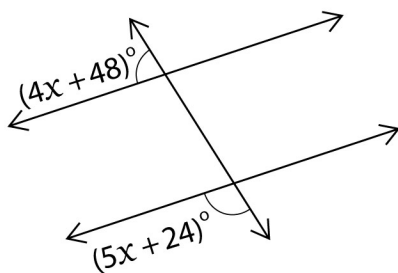
$x = \underline{\hspace{1cm}21^\circ\hspace{1cm}}$

2)



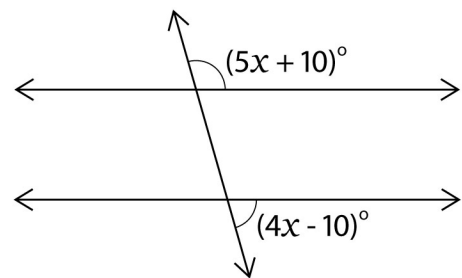
$x = \underline{\hspace{1cm}13^\circ\hspace{1cm}}$

3)



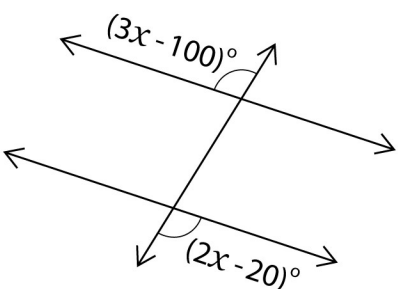
$x = \underline{\hspace{1cm}12^\circ\hspace{1cm}}$

4)



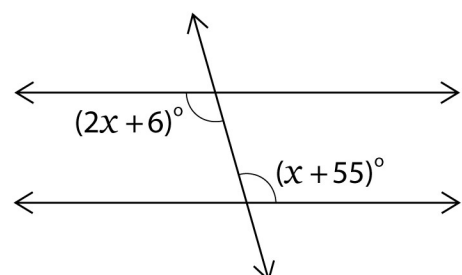
$x = \underline{\hspace{1cm}20^\circ\hspace{1cm}}$

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$x = \underline{\hspace{1cm}80^\circ\hspace{1cm}}$

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