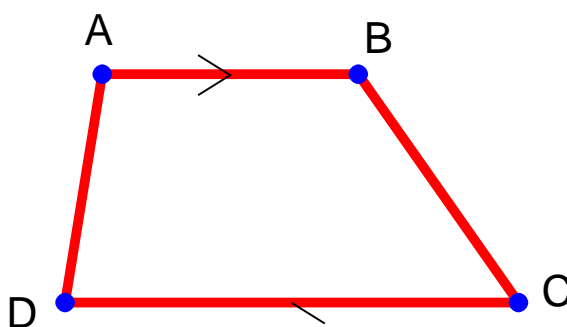


Name: _____

Angles Formed by Parallel Lines and Transversal

A) Given that $\overline{AB} \parallel \overline{CD}$,

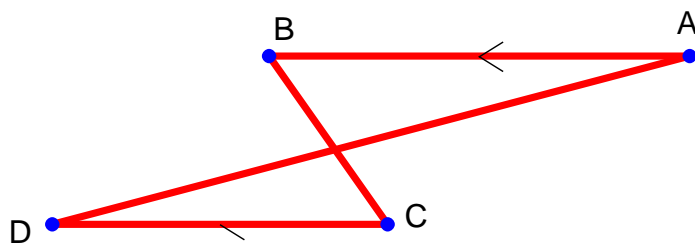
- 1) If $m\angle ADC = 97^\circ$, find $m\angle DAB$

- 2) If $m\angle ABC = 121^\circ$, find $m\angle BCD$

- 3) If $m\angle ADC = (4x + 20)^\circ$ and $m\angle DAB = (x - 15)^\circ$, find $m\angle DAB$

- 4) If $m\angle ABC = (7x + 24)^\circ$ and $m\angle DCB = (2x - 13)^\circ$, find $m\angle BCD$

B) Given that $\overline{AB} \parallel \overline{CD}$,



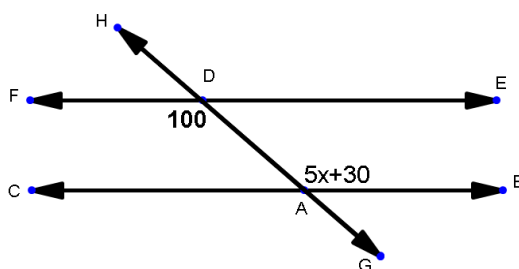
5) If $m\angle ADC = 25^\circ$, find $m\angle DAB$

6) If $m\angle ABC = 65^\circ$, find $m\angle BCD$

7) If $m\angle ADC = (4x - 20)^\circ$ and $m\angle DAB = (x + 15)^\circ$, find $m\angle DAB$

8) If $m\angle ABC = (7x - 24)^\circ$ and $m\angle DCB = (2x - 13)^\circ$, find $m\angle BCD$

C) Given that $\overrightarrow{FE} \parallel \overrightarrow{BC}$, find:



9) $m\angle DAB$

10) the value of x

11) $m\angle EDA$