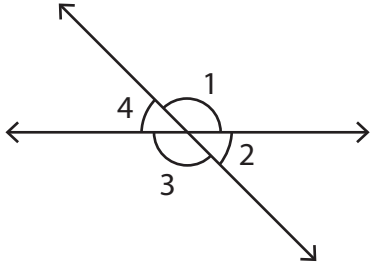


Vertical Angles

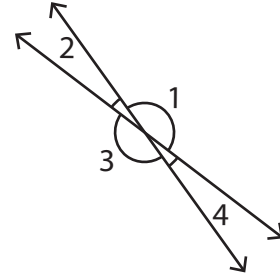
Find the unknown angle.

1)



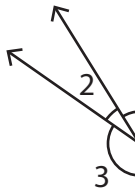
$m\angle 1 = 135^\circ$,
 $m\angle 3 = \underline{\hspace{2cm}}$,

2)

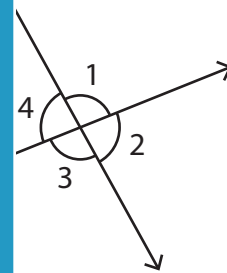


$m\angle 2 = 17^\circ$,
 $m\angle 4 = \underline{\hspace{2cm}}$,

3)

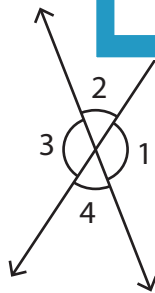


$m\angle 1 = \underline{\hspace{2cm}}$,
 $m\angle 3 = \underline{\hspace{2cm}}$,

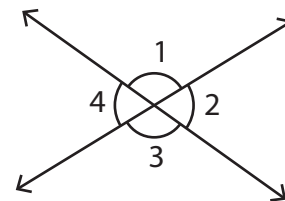


$m\angle 2 = \underline{\hspace{2cm}}$,
 $m\angle 4 = \underline{\hspace{2cm}}$,

5)



$m\angle 1 = \underline{\hspace{2cm}}$, $m\angle 2 = \underline{\hspace{2cm}}$
 $m\angle 3 = 125^\circ$, $m\angle 4 = \underline{\hspace{2cm}}$



$m\angle 1 = 113^\circ$, $m\angle 2 = \underline{\hspace{2cm}}$
 $m\angle 3 = \underline{\hspace{2cm}}$, $m\angle 4 = \underline{\hspace{2cm}}$

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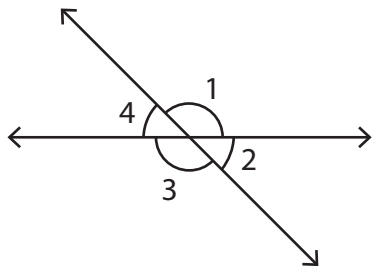
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Vertical Angles

Find the unknown angle.

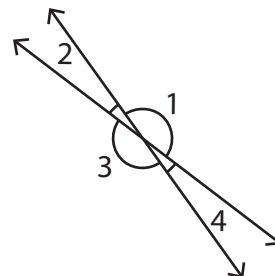
1)



$m\angle 1 = 135^\circ$,

$m\angle 3 = \underline{135^\circ}$,

2)



$m\angle 1 = 17^\circ$,

$m\angle 4 = \underline{17^\circ}$,

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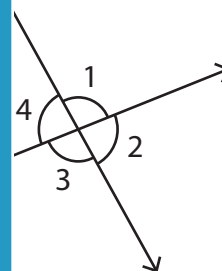
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3)



$m\angle 1 = 157^\circ$,

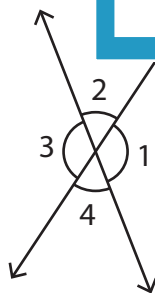
$m\angle 3 = \underline{157^\circ}$,



$m\angle 2 = \underline{83^\circ}$,

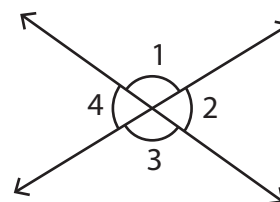
$m\angle 4 = \underline{83^\circ}$,

5)



$m\angle 1 = 125^\circ$, $m\angle 2 = \underline{55^\circ}$

$m\angle 3 = 125^\circ$, $m\angle 4 = \underline{55^\circ}$



$m\angle 1 = 113^\circ$, $m\angle 2 = \underline{67^\circ}$

$m\angle 3 = \underline{113^\circ}$, $m\angle 4 = \underline{67^\circ}$