

**Use the information given to complete the table.**  
**If rounding is necessary, round to the nearest tenth.**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
	# sides	<i>EX</i> terior angle <b>SUM</b>	<b>ONE</b> <i>EX</i> terior angle	<b>ONE</b> <i>IN</i> terior angle	<i>IN</i> terior angle <b>SUM</b>
1)	<i>n</i>	$360^\circ$	$360^\circ \div n$	$180^\circ - D$	$n \times E$
2)	3				
3)	10				
4)	15				
5)			$72^\circ$		
6)			$40^\circ$		
7)			$15^\circ$		
8)			$12^\circ$		
9)				$120^\circ$	
10)				$144^\circ$	
11)				$165^\circ$	
12)					$1080^\circ$
13)					$900^\circ$
14)					$5040^\circ$
15)					$1620^\circ$

**IMPORTANT NOTE:** for polygons that are NOT regular, the *individual* angle measures vary;  
the angle **SUMS** stay the same as above.

**ANSWERS**

per \_\_\_ date \_\_\_\_\_

**Use the information given to complete the table.****If rounding is necessary, round to the nearest tenth.**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
	# sides	<i>EX</i> terior angle <b>SUM</b>	<b>ONE</b> <i>EX</i> terior angle	<b>ONE</b> <i>IN</i> terior angle	<i>IN</i> terior angle <b>SUM</b>
1)	<i>n</i>	$360^\circ$	$360^\circ \div n$	$180^\circ - D$	$n \times E$
2)	3	$360^\circ$	$120^\circ$	$60^\circ$	$180^\circ$
3)	10	$360^\circ$	$36^\circ$	$144^\circ$	$1440^\circ$
4)	15	$360^\circ$	$24^\circ$	$156^\circ$	$2340^\circ$
5)	5	$360^\circ$	$72^\circ$	$108^\circ$	$540^\circ$
6)	9	$360^\circ$	$40^\circ$	$140^\circ$	$1260^\circ$
7)	24	$360^\circ$	$15^\circ$	$165^\circ$	$3960^\circ$
8)	30	$360^\circ$	$12^\circ$	$168^\circ$	$5040^\circ$
9)	6	$360^\circ$	$60^\circ$	$120^\circ$	$720^\circ$
10)	10	$360^\circ$	$36^\circ$	$144^\circ$	$1440^\circ$
11)	$24^\circ$	$360^\circ$	$15^\circ$	$165^\circ$	$3960^\circ$
12)	8	$360^\circ$	$45^\circ$	$135^\circ$	$1080^\circ$
13)	7	$360^\circ$	$51.4^\circ$	$128.6^\circ$	$900^\circ$
14)	30	$360^\circ$	$12^\circ$	$168^\circ$	$5040^\circ$
15)	11	$360^\circ$	$32.7^\circ$	$147.3^\circ$	$1620^\circ$

IMPORTANT NOTE: for polygons that are NOT regular, the *individual* angle measures can change; but the interior and exterior angle **SUMS** stay the same as above.