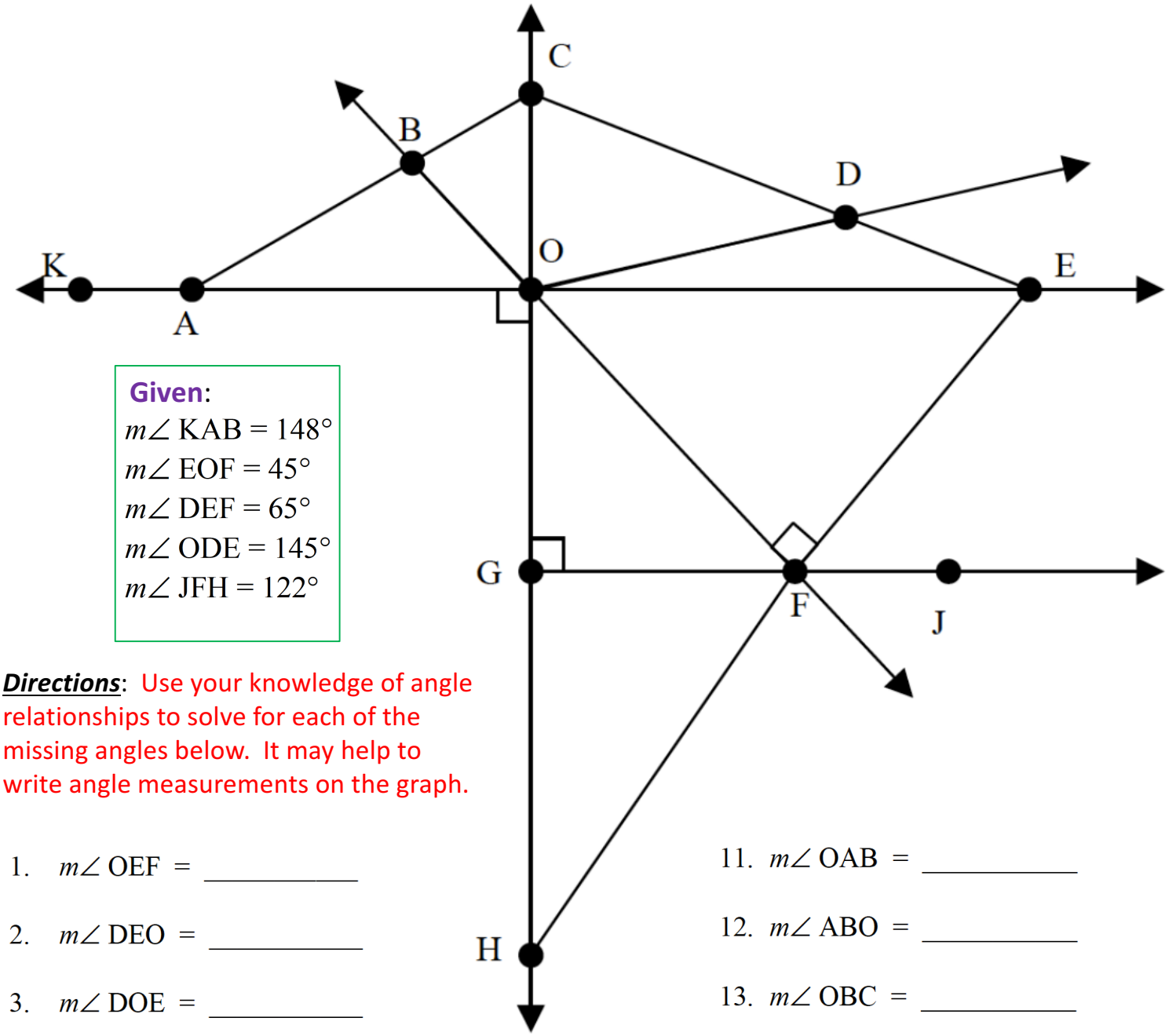
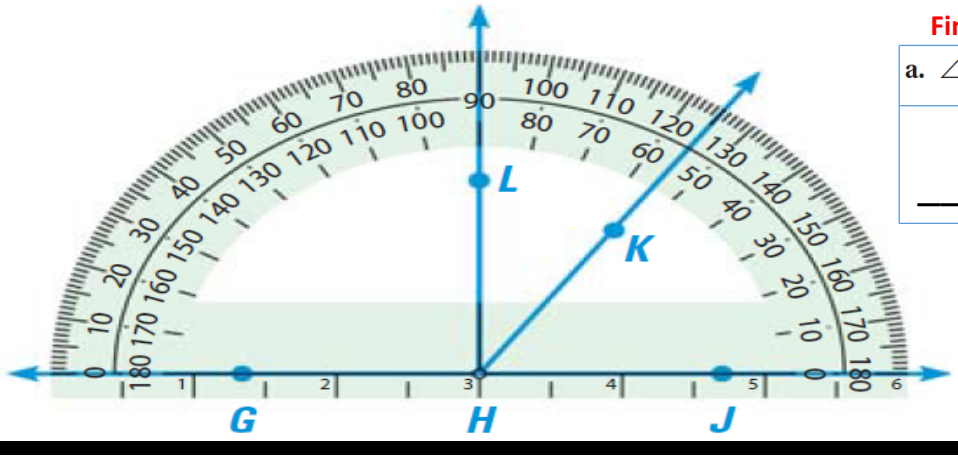
ANGLES PUZZLE 9.18.19 Classwork **Name:** _____ **Period:** ___



Given:
$m\angle KAB = 148°$
$m\angle EOF = 45°$
$m\angle DEF = 65°$
$m\angle ODE = 145°$
$m\angle JFH = 122°$

Directions: Use your knowledge of angle relationships to solve for each of the missing angles below. It may help to write angle measurements on the graph.

1. $m\angle OEF$ = _____
2. $m\angle DEO$ = _____
3. $m\angle DOE$ = _____
4. $m\angle FGH$ = _____
5. $m\angle DOC$ = _____
6. $m\angle ODC$ = _____
7. $m\angle DCO$ = _____
8. $m\angle COA$ = _____
9. $m\angle AOB$ = _____
10. $m\angle BOC$ = _____
11. $m\angle OAB$ = _____
12. $m\angle ABO$ = _____
13. $m\angle OBC$ = _____
14. $m\angle BCO$ = _____
15. $m\angle GOF$ = _____
16. $m\angle OFG$ = _____
17. $m\angle GFH$ = _____
18. $m\angle FGH$ = _____
19. $m\angle EFJ$ = _____
20. $m\angle GOC$ = _____



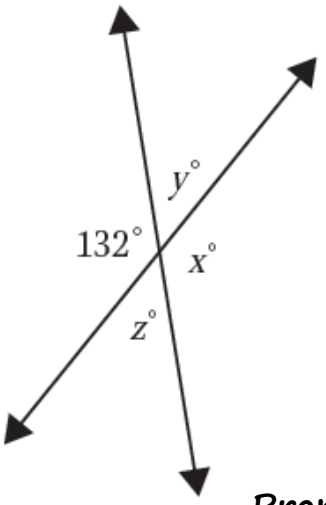
Find the measure of each angle listed below:

a. $\angle KHJ$	b. $\angle GHK$	c. $\angle GHJ$	d. $\angle GHL$
°	°	°	°
_____	_____	_____	_____

Complementary, Supplementary, and Vertical Angles

Find the missing angles. State which property you used to find the missing angles. Write your answers on the lines below each problem.

1.



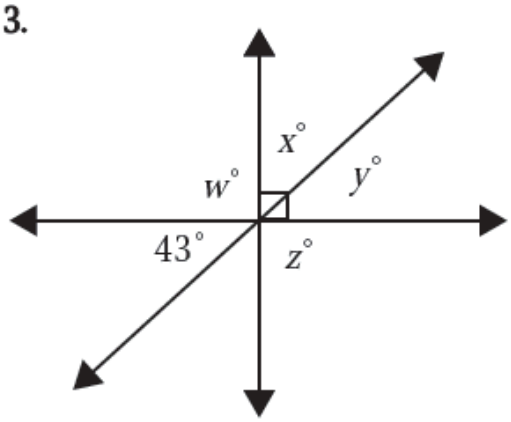
Property used:

$x^\circ =$ _____ _____

$y^\circ =$ _____ _____

$z^\circ =$ _____ _____

3.



Property used:

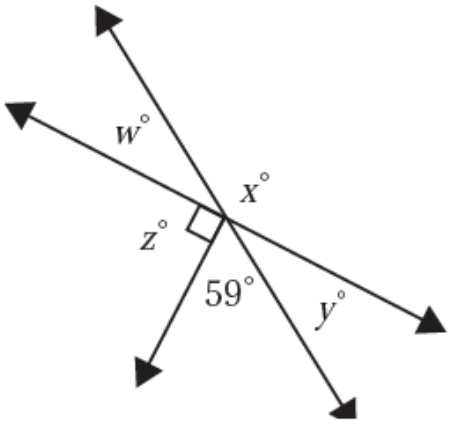
$w^\circ =$ _____ _____

$x^\circ =$ _____ _____

$y^\circ =$ _____ _____

$z^\circ =$ _____ _____

2.



Property used:

$w^\circ =$ _____ _____

$x^\circ =$ _____ _____

$y^\circ =$ _____ _____

$z^\circ =$ _____ _____