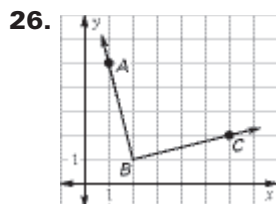


Answer Key

Lesson 1.4

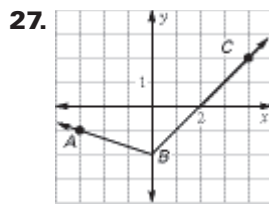
Practice Level C

1. 54° ; acute 2. 90° ; right 3. 109° ; obtuse
4. 180° ; straight
5. $\angle MGH$, $\angle HGL$, and $\angle LGH$; acute
6. $\angle GLK$, $\angle KLM$, $\angle MLK$, and $\angle L$; acute
7. $\angle MJK$; obtuse
8. $\angle LKJ$, $\angle GKL$, $\angle LKG$, and $\angle K$; right
9. $\angle LMH$, $\angle JML$, and $\angle LMJ$; obtuse
10. $\angle KJG$; straight
11. 147°
12. 76° 13. 56.5° 14. 81° 15. 33.5°
16. $m\angle JKM = 51^\circ$, $m\angle JKL = 102^\circ$
17. $m\angle LKM = 63^\circ$, $m\angle JKL = 126^\circ$
18. $m\angle JKM = 39.5^\circ$, $m\angle LKM = 39.5^\circ$
19. 106° 20. 74° 21. 67° 22. 157° 23. 118°
24. 162° 25. 65°



right;

Sample answer: (3, 3)



obtuse;

Sample answer: (0, 1)

28. a. acute: $\angle AKB$, $\angle CLD$, $\angle DLE$, $\angle FMG$, $\angle BJH$, $\angle EKF$, $\angle ALH$, $\angle GLH$, $\angle BMC$, and $\angle DJF$; obtuse: $\angle BKE$, $\angle ALD$, $\angle DLG$, $\angle CMF$, $\angle BMG$, $\angle FJH$, $\angle BJD$, $\angle CLH$, $\angle HLE$, and $\angle AKJ$; right: $\angle ALC$, $\angle CLE$, $\angle ELG$, and $\angle ALG$ b. $\angle DLE$ and $\angle ALH$; $\angle CLD$ and $\angle GLH$; $\angle AKB$ and $\angle EKF$; $\angle BKE$ and $\angle AKF$; $\angle BJH$ and $\angle DJF$; $\angle BJD$ and $\angle FJH$; $\angle BMC$ and $\angle FMG$; $\angle BMG$ and $\angle CMF$; $\angle ALC$, $\angle CLE$, $\angle ELG$, and $\angle ALG$ c. $m\angle CLD = 52^\circ$, $m\angle EKF = 27^\circ$, $m\angle FJH = 115^\circ$, $m\angle FMG = 63^\circ$, $m\angle DJF = 65^\circ$, $m\angle DLG = 128^\circ$