

Answer Key

Lesson 3.4

Practice Level C

1. $\frac{1}{2}$ 2. $-\frac{4}{5}$ 3. $-\frac{9}{4}$ 4. $m_{\overline{AB}} = \frac{1}{4}$, $m_{\overline{CD}} = \frac{1}{4}$; yes

5. $m_{\overline{AB}} = -\frac{2}{5}$, $m_{\overline{CD}} = -\frac{1}{2}$; no

6. $m_{\overline{AB}} = -4$, $m_{\overline{CD}} = -4$; yes

7. $m_{\overline{AB}} = -\frac{3}{4}$, $m_{\overline{CD}} = 1$; no

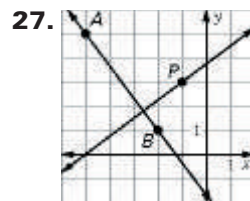
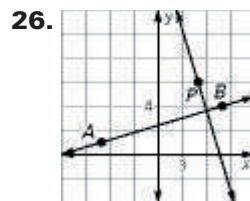
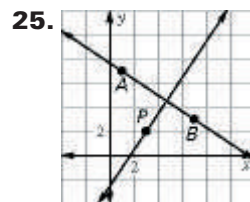
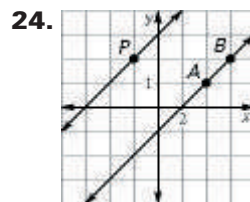
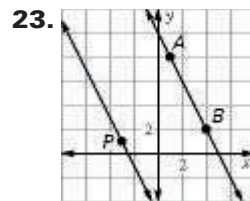
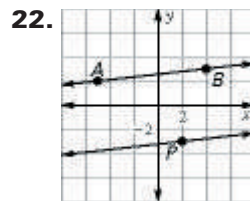
8. $m_{\overline{AB}} = 2$, $m_{\overline{CD}} = -\frac{1}{2}$; yes

9. $m_{\overline{AB}} = \frac{2}{7}$, $m_{\overline{CD}} = -\frac{7}{2}$; yes 10. neither

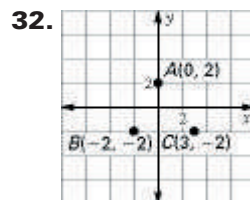
11. parallel 12. perpendicular 13. parallel

14. perpendicular 15. parallel 16. 2 17. 1

18. 1 19. 1 20. 2 21. 2



28. 11 29. 4 30. -6 31. -800



33. $(-5, 2)$, $(5, 2)$, $(1, -6)$