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64. D   66. C   67. J   68. C

69. a. $y = (3/2) x + 12$
     b. $y - 1 = (-4/3)(x - 4)$ or $y + 3 = (-4/3)(x - 7)$ or $y = (-4/3)x + (19/3)$

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14. $y - 4 = \frac{1}{2}(x + 2)$

18.
No; the slope of $\ell_1 = -1$,
and the slope of $\ell_2 = \frac{4}{5}$;
$-1 \cdot \frac{4}{5} \neq -1$.

20.
$P(6, 6)$ $y - 6 = -\frac{3}{2}(x - 6)$

22.
$y - 4 = \frac{1}{2}(x - 4)$

30.
slope of $\overline{AB}$ = slope of $\overline{CD} = -\frac{3}{4}$; $\overline{AB} \parallel \overline{CD}$
slope of $\overline{BC}$ = slope of $\overline{AD} = 1$; $\overline{BC} \parallel \overline{AD}$

49. B   50. J   51. C
52. a. slope of line c is (-1/2), the slope of a line perpendicular to c is 2
     b. $(0, 0)$
53. $y - 3 = (-1/2) x$ or $y = (-1/2) x + 3$
54. $y - 2 = (5/3)(x + 4)$ or $y = (5/3) x + (26/3)$
55. $y + 2 = (3/4)(x - 3)$ or $y = (3/4) x -(17/4)$

Answers for page 180 4 – 10 are in the back of the book under the green tab, Instant Check System Answers.