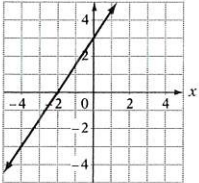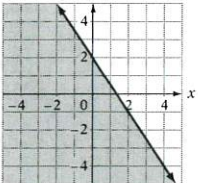## CUMULATIVE REVIEW

1. Distributive Property   [1.3A]   **2.** 34   [3.2A]   **3.** $\frac{3}{2}$ [2.1B]   **4.** $\frac{2}{3}$ [2.1C]   **5.** $\frac{1}{3}$ and $\frac{7}{3}$ [2.5A]

6. $\{x \mid x > 1\}$ [2.4A]   **7.** $\{x \mid -6 \le x \le 3\}$ [2.5B]   **8.** $(9x + y)(9x - y)$ [5.6A]   **9.** $x(x^2 + 3)(x + 1)(x - 1)$ [5.6D]

10. The equation of the line is $y = \frac{1}{3}x + \frac{7}{3}$.   [3.5B]   **11.** The value of the determinant is 3.   [4.3A]

12. $C = R - nP$ [2.1D]   **13.** $2x^2y^2$ [5.1B]   **14.** $\dfrac{x(2x - 3)}{y(x + 4)}$ [6.1B]   **15.** $-x\sqrt{10x}$ [7.2B]   **16.** $-\dfrac{1}{2}$ and 3   [6.5A]

17. $m = \dfrac{3}{2}, b = 3$ [3.4B]

18.   [3.7A]

19. $-\dfrac{1}{5} + \dfrac{3}{5}i$ [7.3D]

20. -20 [7.4A]   **21.** $\dfrac{x^2 + 12x - 12}{(2x - 3)(x + 4)}$ [6.2B]   **22.** $\left(\dfrac{17}{4}, \dfrac{9}{2}\right)$ [4.3B]   **23.** There are nineteen 18¢ stamps in the collection.   [2.2B]   **24.** The rate of the plane was 250 mph.   [2.3C]   **25.** Light travels to the earth from the moon