

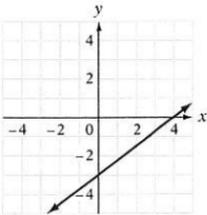
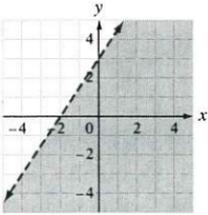
# CUMULATIVE REVIEW

1. 4 [1.2D]    2.  $-\frac{5}{4}$  [1.3B]    3. Inverse Property of Addition [1.3A]    4.  $-18x + 8$  [1.3C]    5.  $-\frac{1}{6}$  [2.1A]

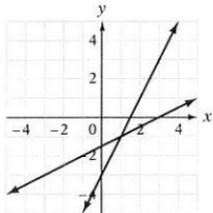
6.  $-\frac{11}{4}$  [2.1B]    7.  $x^2 + 3x + 9 + \frac{24}{x-3}$  [5.4B]    8.  $-1$  and  $\frac{7}{3}$  [2.5A]    9.  $P(-2) = 18$  [3.2A]

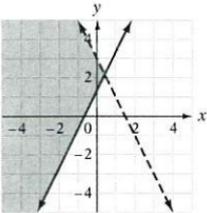
10.  $-2$  is excluded from the domain. [3.2A]    11. Range:  $\{-4, -1, 8\}$  [3.2A]    12. The slope is  $-\frac{1}{6}$ . [3.4A]

13. The equation of the line is  $y = -\frac{3}{2}x + \frac{1}{2}$ . [3.5A]    14. The equation of the line is  $y = \frac{2}{3}x + \frac{16}{3}$ . [3.6A]

15.  $(-\frac{7}{5}, -\frac{8}{5})$  [4.3B]    16.  $(-\frac{9}{7}, \frac{2}{7}, \frac{11}{7})$  [4.2B]    17.  [3.3C]    18.  [3.7A]

19.  $(1, -1)$  [4.1A]



20.  [4.5A]

21.  $\frac{b^5}{a^8}$  [5.1B]

22.  $\frac{y^2}{25x^6}$  [5.1B]

23.  $\frac{21}{8}$  [5.1B]    24.  $4x^3 - 7x + 3$  [5.3B]    25.  $-2x(2x - 3)(x - 2)$  [5.5D]    26.  $(x - y)(a + b)$  [5.5B]

27.  $(x - 2)(x + 2)(x^2 + 4)$  [5.6D]    28.  $2(x - 2)(x^2 + 2x + 4)$  [5.6D]    29. The integers are 9 and 15. [2.2A]

30. 40 oz of pure gold must be used. [2.3A]    31. The speed of the slower cyclist is 5 mph; the speed of the faster cyclist is 7.5 mph. [2.3C]

**32.** It takes the vehicle 12 h to reach the moon. [5.1D]

in miles per hour. [3.4A]

**33.** The slope is 50. The slope represents the average speed