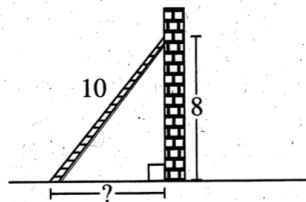1. Kalino earned 85, 95, 93, and 80 points on the 4 tests, each worth 100 points, given so far this term. How many points must he earn on his fifth test, also worth 100 points, to average 90 points for the 5 tests given this term?
   A. 87
   B. 88
   C. 90
   D. 92
   E. 97

4. A ladder is 10 ft long and reaches 8 ft up a wall, as shown below. How many feet is the bottom of the ladder from the base of the wall?
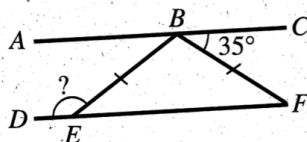
   F. 2
   G. 3
   H. 6
   J. $\sqrt{2}$
   K. $\sqrt{164}$

7. What is the value of x that satisfies the equation $2(x + 4) = 5x - 7$?

   A. -1
   B. $\frac{1}{3}$
   C. $\frac{11}{3}$
   D. 5
   E. $\frac{43}{3}$

8. In the figure below, B is on $\overline{AC}$, E is on $\overline{DF}$, $\overline{AC}$ is parallel to $\overline{DF}$, and $\overline{BE}$ is congruent to $\overline{BF}$. What is the measure of $\angle DEB$?

   F. 35°
   G. 135°
   H. 145°
   J. 155°
   K. 215°

10. Which of the following expressions is equivalent to $3x(x^2y + 2xy^2)$?

    F. $3x^2y + 6xy^2$
    G. $3x^3y + 2xy^2$
    H. $3x^3y + 6x^2y^2$
    J. $5x^4y^3$
    K. $9x^4y^3$

15. On the real number line, what is the midpoint of -5 and 17 ?

    A. -11
    B. 6
    C. 11
    D. 12
    E. 22

28. What is the slope of the line given by the equation $14x - 11y + 16 = 0$?

    F. -11
    G. $-\frac{14}{11}$
    H. $-\frac{11}{14}$
    J. $\frac{14}{11}$
    K. 14

31. Which of the following expressions is equivalent to $(-2x^5y^2)^4$?

    A. $-16x^{20}y^8$
    B. $-8x^{20}y^8$
    C. $-8x^9y^6$
    D. $16x^9y^6$
    E. $16x^{20}y^8$

33. Which of the following inequalities defines the solution set for the inequality $16 - 5x \le 8$?

    A. $x \ge \frac{8}{5}$
    B. $x \ge \frac{5}{8}$
    C. $x \ge -\frac{8}{5}$
    D. $x \le -\frac{5}{8}$
    E. $x \le -\frac{8}{5}$