Date: _

Circle the one best answer. Justify your answer by showing all work below.

61. When x = -3, find the value of this expression: $5\sqrt{x+3} - 2 \cdot \frac{x-3}{x-3}$

- A. -3 B. -2 C. 2 D. 3 E. The value is undefined.

62. Solve $10x^2 = 5x$.

- A. $\left\{\frac{1}{2}\right\}$ B. $\left\{\frac{1}{2},0\right\}$ C. $\left\{2\right\}$ D. $\left\{-\frac{1}{2},0\right\}$ E. $\left\{0\right\}$

63. If the average weight of four football players listed in the table below is 250 pounds, what is the weight, in pounds, of Player D?

- A. 220
- B. 230
- c. 240
- D. 250 E. 260

Player	Weight in lbs
Α	270
В	230
С	240
D	?

64. In a right triangle, the measure of one leg is $\sqrt{6}$. The measure of the hypotenuse is 5. Find the measure of the other leg.

- A. $5-\sqrt{6}$ B. $\sqrt{31}$ C. $\sqrt{19}$ D. $5+\sqrt{6}$ E. 4

65. Simplify: $\frac{2x^{-5}}{x^{-6}}$

- A. 2x B. $\frac{x}{32}$ C. 32x D. $\frac{2}{x}$ E. $\frac{2}{x^{11}}$