1. Factor: $5x^2 + 15x$

(A) $5x(x + 15)$ **(B)** $5(x^2 + 3x)$
(C) $5x(x + 3)$ **(D)** $5x(x + 15x)$

2. What are the zeros of the following factors: $(x - 11)(x - 5) = 0$?

(A) $x = 11$ and 5 **(B)** $x = -11$ and -5
(C) $x = -11$ and 5 **(D)** $x = 11$ and -5

3. Factor to find the solutions of the quadratic equation: $x^2 + 5x = -6$?

(A) $x = -2$ and 3 **(B)** $x = -3$ and -2
(C) $x = 2$ and 3 **(D)** $x = -3$ and 2

4. Solve by factoring: $2x^2 - x - 15 = 0$

(A) $x = -3$ or $x = \frac{5}{2}$ **(B)** $x = 3$ or $x = \frac{5}{2}$
(C) $x = 3$ or $x = -\frac{5}{2}$ **(D)** $x = -3$ or $x = -\frac{5}{2}$

5. Find the GCF of the following expression: $10x^3 - 5x^2$

(A) $2x$ **(B)** $5x^2$
(C) $5x$ **(D)** $2x^2$