

- ❖ Show all work
- ❖ No notes, books, or calculators allowed.
- ❖ Write answers in lowest terms when possible

Solve the equations for  $x$ .

1.  $2x^2 + 2x - 24 = 0$

2.  $8x^2 + 32 = 32x$

3.  $x(x + 9) = 6(x + 3)$