1. Find the LCD of $\frac{4}{9x^3}$ and $\frac{7}{12x^4}$.

2. Find the LCD of $\frac{5}{27x}$ and $\frac{7x}{3x + 6}$.

3. Find the LCD of $\frac{5x + 1}{2x^2 - 9x - 5}$ and $\frac{3x}{2x^2 + 7x + 3}$.

4. Rewrite $\frac{15a}{3x^2y}$ so that the denominator is $33x^4y^3z$. 
5. Simplify \( \frac{8n^2 - 18}{2n^2 - 5n + 3} \div \frac{6n^2 + 7n - 3}{n^2 - 9n + 8} \).

6. Solve each equation. Give answers exactly and then to the nearest hundredth.
   (a) \( 5x^2 - 3x = 7 \)

   (b) \( 6x^2 - 19x + 15 = 0 \)