Name: _____ Class: _____ Date: _____ ID: A

Common Denominator Worksheet

*Find the **Least Common Multiple** of each pair or trio.*

1. $12, 20$
2. $-28, 84$
3. $6a^2, 4ab$
4. $-36x^2y^3, -18x^3y^5, -12x^4y$
5. $x^2 - 9, 5x + 15$
6. $x^2 + 11x + 18, x^2 - 3x - 10$
7. Find the least common multiple of $x^3 - x^2 + x - 1$ and $x^2 - 1$. Write the answer in factored form.

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*Rewrite each pair of fractions or raional expressions with a **Common Denominator**.*

8. $\frac{4}{7}, \frac{2}{5}$

.

9. $\frac{x}{3y^2}, \frac{2y}{5x^2}$

.

10. $\frac{4b^2}{21a}, \frac{-5}{3ab}$

.

11. $\frac{2}{x+3}, \frac{3}{x-4}$

.

12. $\frac{x+3}{(x+5)(x+2)}, \frac{2x}{(3x-1)(x+5)}$