Finding the Least Common Denominator and Forming Equivalent Rational Expressions

1. Find the LCD of the given rational expressions. (similar to p.468 #16)

$$\frac{1}{12x^3y};\frac{3}{8x^2y^4}$$

2. Find the LCD of the given rational expressions. (similar to p.468 #20)

$$\frac{9}{x+4};5$$

3. Find the LCD of the given rational expressions. (similar to p.468 #22)

$$\frac{5}{3x-9};\frac{9}{8x-24}$$

4. Find the LCD of the given rational expressions. (similar to p.468 #24)

$$\frac{1}{x^2-9x+20};\frac{5}{x^2-16}$$

5. Find the LCD of the given rational expressions. (similar to p.468 #24)

$$\frac{1}{x^2+6x+9};\frac{5}{x^2+4x+3}$$

6. Write an equivalent rational expression with the given denominator.
(similar to p.468 #34)

$\frac{4}{x}$ with denominator $5x^3$

7. Write an equivalent rational expression with the given denominator.
(similar to p.468 #36)

$\frac{1}{abc^2}$ with denominator $a^2b^3c^7$

8. Write an equivalent rational expression with the given denominator.
(similar to p.468 #38)

$\frac{7}{x-3}$ with denominator $x^2-8x+15$

9. Write an equivalent rational expression with the given denominator.
(similar to p.468 #42)

$9x$ with denominator x^2-5