

Review for final – Practice B	
1	$(7x - 2)(3x + 4)$
2	Factor completely: $3x^3 - 24$
3	Simplify: $\frac{12x^5y^3 - 6x^2y^3}{6x^2y}$
4	$(4x^2 - 2x + 3) \div (x + 2)$
5	$\frac{7}{12} - \frac{5}{18} =$
6	$\frac{x^2 - 5x + 6}{10x^5} \div \frac{2 - x}{20x^3} =$
7	$\frac{x+1}{7} - \frac{5}{x-3} =$
8	$\frac{\frac{7}{ab}}{5 + \frac{2}{b}}$
9	$\frac{3x}{(x+5)(x-3)} - \frac{x}{(x+5)(x+1)}$
10	$5x^4(5x^3y)^{-2} =$

Answers:

1	$21x^2 + 22x - 8$
2	$3(x - 2)(x^2 + 2x + 4)$
3	$2x^3y^2 - y^2$
4	$4x - 10$ R 23
5	$\frac{11}{36}$
6	$-\frac{2(x - 3)}{x^2}$
7	$\frac{x^2 - 2x - 38}{7(x - 3)}$
8	$\frac{5ab + 2a}{7}$
9	$\frac{2x^2 + 6x}{(x + 5)(x - 3)(x + 1)}$
10	$\frac{1}{5x^2y^2}$