

Review for final – Practice M	
1	$(5x - 2)(3x + 4)$
2	Factor completely: $3x^3 - 24$
3	Simplify: $\frac{10x^5y^3 - 15x^2y^3}{-5x^2y}$
4	$(3x^2 - 2x + 3) \div (x + 2)$
5	$\frac{7}{21} - \frac{5}{28} =$
6	$\frac{x^2 - 5x + 6}{10x^5} \div \frac{2 - x}{20x^3} =$
7	$\frac{x}{x-2} - \frac{5}{x-3} =$
8	$\frac{\frac{4}{ab}}{3 + \frac{2}{b}}$
9	$\frac{4x}{(x+5)(x-3)} - \frac{x}{(x+5)(x+1)}$
10	$3x^4(3x^3y)^{-2} =$

Answers:

1	$15x^2 + 14x - 8$
2	$3(x - 2)(x^2 + 2x + 4)$
3	$-2x^3y^2 + 3y^2$
4	$3x - 8 R19$
5	$\frac{13}{84}$
6	$-\frac{2(x - 3)}{x^2}$
7	$\frac{x^2 - 8x + 10}{(x - 2)(x - 3)}$
8	$\frac{4}{3ab + 2a}$
9	$\frac{3x^2 + 7x}{(x + 5)(x - 3)(x + 1)}$
10	$\frac{1}{3x^2y^2}$