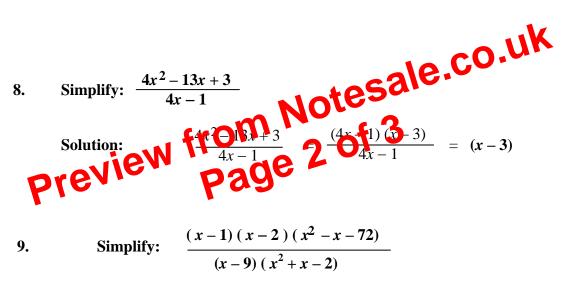
6. Simplify:
$$\frac{x^2 + 7x + 12}{x^2 + 4x + 3}$$

Solution:
$$\frac{x^2 + 7x + 12}{x^2 + 4x + 3} = \frac{(x+3)(x+4)}{(x+3)(x+1)} = \frac{x+4}{x+1}$$

7. Simplify:
$$\frac{x^2-6x+8}{x^2-3x+2}$$

Solution:
$$\frac{x^2 - 6x + 8}{x^2 - 3x + 2} = \frac{(x - 4)(x - 2)}{(x - 1)(x - 2)} = \frac{x - 4}{x - 1}$$



9.	Simplify:	$(x-1)(x-2)(x^2-x-72)$	
2.		$(x-9)(x^2+x-2)$	
		(r, 1)(r, 2)(r, 0)(r+8)	(r-2)(r+8)

Solution:
$$= \frac{(x-1)(x-2)(x-9)(x+8)}{(x-9)(x+2)(x-1)} = \frac{(x-2)(x+8)}{x+2}$$

10. Simplify:

$$\frac{2x^4 - 162}{(x^2 + 9)(2x - 6)} = \frac{2(x^4 - 81)}{(x^2 + 9)(x - 3)(x - 3)(x + 3)}$$
Solution:

$$\frac{2x^4 - 162}{(x^2 + 9)(2x - 6)} = \frac{2(x^4 - 81)}{(x^2 + 9)(x - 3)(x - 3)(x - 3)(x - 3)}$$

= x + 3