RATIONAL FUNCTIONS REVIEW 1-3) *+: (2 problems) 1) Pull out ammon factors! 4 terms - Grusping 2 terms = squares or cubes 3 terms= UNFOIL -3x7 12x-48 $\frac{-3}{(x+2)(x-2)}$

4-6)
$$+/-$$
 1) Factor denoms
2) Make + Keep Common down.
3) Add like terms to make / Fraction

$$\frac{x+2}{x^2-3x-a^2} + \frac{2x}{7x-x^2}$$

$$\frac{x+2}{x^2+7} + \frac{2x}{2x(x+4)}$$

$$(x+4)(x-7) + \frac{2x}{2x(x+4)}$$

$$= \frac{x+2-2x-8}{(x+4)(x-7)}$$

$$= \frac{x+2-2x-8}{(x+4)(x-7)}$$

$$= -x-6$$

$$(x+4)(x-7)$$



