Honework:

24.
$$y = a(x-p)^2 + 9$$

$$\chi = \rho \pm \sqrt{\frac{2}{\alpha}}$$

$$(i) y = 2(x+1)^2 - 8$$

Simplify
$$\frac{10+3x-x^2}{x^2+6x+8}$$
 $\times \neq -7$ -2 Simplify $\frac{9-x^2}{x^2+x-12}$ $+7$ -2 Simplify $\frac{9-x^2}{x^2+x-12}$ $+7$ -1 $(x^2-3x-10)$ $+1$ $(x-3)(x+3)$ $=-1$ $(x-3)(x+3)$ $=-1$ $(x-3)(x+3)$ $=-3-x$ $x+4$

Simplify
$$\frac{a^2 + 2a - 24}{16 - a^2}$$

$$(0.46)(0.4)$$

$$(4-0)(4+0)$$

$$= \frac{4-6}{0.4}$$

Chapter

Simplifying Rational **Expressions**

Identify each of the following as true or false. Click on the box to reveal the solution.

1.
$$\frac{x+4}{2} = x+2, x \neq 0$$



2.
$$\frac{x^4 - 2x}{x} = x^3 - 2, \ x \neq 0$$
3.
$$\frac{x^2 - 4}{x - 2} = x + 2, \ x \neq 2$$



3.
$$\frac{x^2-4}{x-2} = x+2, x \neq 2$$



4.
$$\frac{x^2+6x+8}{x+2} = x+4, x \neq 2,4$$



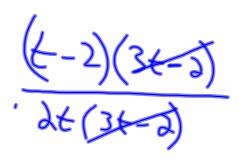
5.
$$\frac{r^2-4}{5r+10}=\frac{r-2}{5}, r \in \mathbb{R}$$



6.
$$\frac{3t^2 - 8t + 4}{6t^2 - 4t} = \frac{t - 2}{2t}, \ t \neq 0, \frac{2}{3}$$



345-64-94+A 3+(+-2)-2(+-2)



Chapter

a) A = Iw $I = \frac{A}{w}$ $=\frac{x^2+3x+2}{x+1}, \ x>-1$

c) Ratio =
$$\frac{I}{w}$$

$$= \frac{x+2}{x+1}$$
1+2

b)
$$\frac{x^2 + 3x + 2}{x + 1} = \frac{(x + 2)(x + 1)}{x + 1}$$

The area of a rectangular garden can be rep polynomial $x^2 + 3x + 2$ and its width by x + 1(a) Write a rational expression that represent b) Write the expression in simplest form.

c) If x represents 1 unit of length, what is the

c) If x represents 1 unit of length, for this garden?

$$A = A$$

$$(\chi)$$

Practice Problems...

Pages 317 - 321 #4, 6, 8, 13, 15, 17, 19, 21, 22, 24, 25, 26

Bonus: # 27