

Section 11.1 Worksheet

Name: _____

Solve the proportion using cross multiplication.

$$1.) \frac{3}{8} = \frac{5}{x}$$

$$2.) \frac{6}{2p} = \frac{5}{8}$$

$$3.) \frac{x}{x+4} = \frac{2}{x}$$

$$4.) \frac{1}{x+1} = \frac{x}{2}$$

$$5.) \frac{x}{5x+6} = \frac{1}{x}$$

$$6.) \frac{6}{n+2} = \frac{n+1}{n}$$

$$7.) \frac{x}{x+4} = \frac{2}{x}$$

$$8.) \frac{p+1}{3} = \frac{1}{2}$$

$$9.) \frac{2}{m-3} = \frac{5}{m+1}$$

REVIEW:

Add or subtract the following polynomials.

10.) $(2y^2 + y - 1) + (7y^2 + 4y - 3)$

11.) $(3x^2 + 5) - (x^2 + 2)$

Factor the polynomials.

12.) $2y^2 + 11y + 12$

13.) $9y^2 - 25$

Find the product.

14.) $(6x + 1)^2$

15.) $(3y + 2)(3y - 2)$