

Name: _____

Date:

Course: _____

Nyack College

College Algebra

Preliminary Assessment #5

Directions: Make sure to show your work.

1. Solve each equation

a. $2x + 9 = 5x$

b. $5y + 6 = -18 - y$

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c. $3(2 - x) = 2x - 1$

d. $\frac{1}{2} - \frac{1}{3}p = \frac{4}{3}$

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e. $\frac{3}{x} - \frac{1}{3} = \frac{1}{6}$

f. $\frac{2x}{x+3} = \frac{-6}{x+3} - 2$

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g. $w(4 - w^2) = 8 - w^3$

h. $\frac{2x+1}{3} + 16 = 3x$

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i.
$$\frac{2x+1}{3} + 4x = 2x$$

j.
$$4x^2 - 275 = 125$$