

Background Quiz: Thu, Sep 1

Section (circle one)

Name: _____

R02 (M) R03 (W) R04 (Tu)

1. (2 points) Simplify $\frac{7}{4} - \frac{5}{6}$ to a single fraction.

2. (2 points) Solve for x if $\frac{8}{x} - 3 = 1$.

3. (1 point) Simplify $(x^{\frac{1}{3}})^9$.

4. (2 points) Expand $(x - 2)(x + 3) - x$ and collect all like terms.

5. (3 points) Factor the polynomial $x^3 - 4x^2 + 3x$ into linear factors. What are the three roots of this polynomial?

Background Quiz: Thu, Sep 1

Section (circle one)

Name: _____

R02 (M) R03 (W) R04 (Tu)

1. (2 points) Simplify $\frac{11}{6} - \frac{7}{4}$ to a single fraction.

2. (2 points) Solve for x if $\frac{9}{x} - 2 = 1$.

3. (1 point) Simplify $(\sqrt{x})^4$.

4. (2 points) Expand $(x + 2)(x - 4) + 2x$ and collect all like terms.

5. (3 points) Factor the polynomial $x^3 - 6x^2 + 5x$ into linear factors. What are the three roots of this polynomial?