Classwork

Hon Alg 2 Preview Sec 9-4

Spring 2017

Name:

Simplify each without a calculator. Leave answer as an improper fraction in reduced form.

1.
$$\frac{36}{48} \cdot \frac{24}{27}$$

2.
$$\frac{15}{32} \div \frac{35}{64}$$

3.
$$\frac{7}{24} + \frac{11}{28}$$

4. Solve. Leave your answer as an improper fractin if necessary.
$$x = \frac{7}{8} + \frac{11x}{24} - \frac{x}{12} = \frac{5}{6}$$

5. Solve for Q. State restrictions on the variables.
$$\frac{RQ-K}{M}=E$$

6. Simplify.
$$\frac{\frac{4}{x}}{x+2}$$

7. Simplify this rational expression by factoring both numerator and denominator and canceling common factors. State restrictions on the variable.

$$\frac{8x^5 - 72x^3}{10x^3 - 20x^2 - 150x}$$