

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Algebra & Trigonometry Quiz  
Chapter R.5

**Find the domain of the rational expression**

4.  $\frac{15x - 10}{2x(3x - 2)}$

**Multiply or divide; simplify if possible**

10.  $\frac{r - s}{r + s} \cdot \frac{r^2 - s^2}{(r - s)^2}$

16.  $\frac{a^2 - b^2}{x - y} \div \frac{a + b}{x - y}$

**Add or subtract; simplify if possible**

26.  $\frac{a - 3b}{a + b} + \frac{a + 5b}{a + b}$

28.  $\frac{12}{x^2y} + \frac{5}{xy^2}$