Learning Target: I can divide rational expressions and explain how that is the same as dividing fractions.

Directions: Follow along with the video to divide and simplify the following Rational Expressions. Also, list all restrictions on the variable.

$$\frac{\overset{1}{6a-12}}{\overset{1}{a+7}} \div \frac{6}{a+7}$$

$$\frac{\overset{2}{a^2+3a+2}}{\overset{2}{a+2}} \div \frac{a^2-9a-10}{a^2-12a+20}$$

$$\overset{3}{56a-64}}{\overset{3}{9a^2+54a}} \div \frac{28a-32}{a+6}$$

$$\frac{\overset{4}{5x^2+50x}}{\overset{2}{x^2+5x+4}} \div \frac{x+10}{x^2+x-12}$$

Divide and simplify the following Rational Expressions. Also, list all restrictions on the variable.

$\frac{\frac{1}{2}}{\frac{2}{6v-6}} \div \frac{v-4}{21v^3 - 21v^2}$	$\frac{2.}{b+4} \div \frac{21b+49}{b+4} \div \frac{21b+49}{b+4}$
3.	4.
$\frac{9x^2}{9x^3 + 27x^2} \div \frac{6x^2 - 6x}{6x^2 + 18x}$	$\frac{n^2 + 3n - 28}{n - 4} \div \frac{n^2 - 2n - 63}{n^2 - 7n - 18}$
$\frac{n^2 - 2n - 15}{n^2 - 11n + 30} \div \frac{10}{10n - 60}$	$\frac{4b+36}{b+2} \div \frac{b^2+6b-27}{b^2-b-6}$