

Homework #15 Rational Expressions

State the excluded values for each.

1. $\frac{m+7}{m^2+4m-21}$

2. $\frac{35x-35}{25x-40}$

3. $\frac{-n^2+16n-63}{n^2-2n-35}$

Simplify each and state the excluded values.

1. $\frac{p^2-3p-10}{p^2+p-2}$

2. $\frac{x+3}{4} \cdot \frac{3(x-6)}{3(x+3)}$

3. $\frac{2b^2-12b}{b+5} \div \frac{b-6}{b+5}$

4. $\frac{2}{v^2-12v+27} \cdot \frac{v^2-12v+27}{3}$