

## Formative Assessment #34 – Dividing and Rationalizing Denominators

AN2.5: I can perform one or more operations to simplify radical expressions with numerical radicands (maximum index of 2).

AN2.6: I can rationalize the denominator of a rational expression with a monomial denominator.

AN2.7: I can rationalize the denominator of a rational expression with a binomial denominator.

Simplify.

1.  $\frac{14\sqrt{54}}{-2\sqrt{6}}$

2.  $\frac{5\sqrt{7}}{3\sqrt{56}}$

3.  $\frac{2}{\sqrt{3}-4}$

4.  $\frac{\sqrt{2}-\sqrt{3}}{2\sqrt{6}+1}$