

1.21.16

Divide the following radicals and rationalize the denominator.

$$\frac{\sqrt{21}}{\sqrt{15}} = \frac{\sqrt{7} \cdot \sqrt{3}}{\sqrt{3} \cdot \sqrt{5}} = \frac{\sqrt{7}}{\sqrt{5}} = \boxed{\frac{\sqrt{35}}{5}}$$

$$\frac{\sqrt{14}}{3\sqrt{35}} = \frac{\sqrt{2} \cdot \sqrt{7}}{3\sqrt{5} \cdot \sqrt{7}} = \frac{\sqrt{2}}{3\sqrt{5}} = \boxed{\frac{\sqrt{10}}{15}}$$