

## FOIL and Division with Radicals - PRACTICE

**Simplify.**

1)  $(5\sqrt{2} - 3)(-3\sqrt{2} - 2)$

2)  $(-3 + 4\sqrt{5})(1 - 4\sqrt{5})$

3)  $(-4\sqrt{3} - 4)(-4\sqrt{3} + 1)$

4)  $(5 + 3\sqrt{2})(-3 + 5\sqrt{2})$

5)  $\frac{\sqrt{12}}{\sqrt{15}}$

6)  $\frac{4}{\sqrt{3}}$

7)  $\frac{\sqrt{4}}{\sqrt{5}}$

8)  $\frac{4\sqrt{5}}{2\sqrt{2}}$

9)  $\frac{3\sqrt{6}}{2\sqrt{15}}$

$$10) -\frac{4}{2\sqrt{3}}$$

$$11) -\frac{3}{2+\sqrt{3}}$$

$$12) \frac{3}{3+\sqrt{2}}$$

$$13) \frac{3}{4+\sqrt{2}}$$

$$14) \frac{4}{2-3\sqrt{2}}$$