

**SIMPLIFY EACH EXPRESSION -**

**RATIONALIZE ALL DENOMINATORS. ASSUME ALL VARIABLES ARE POSITIVE.**

$$31) \frac{5\sqrt{2n^2}}{4\sqrt{3n^2}}$$

$$32) \frac{5\sqrt{20m^4}}{4\sqrt{12m^2}}$$

$$33) \frac{5}{4\sqrt{2x}}$$

$$34) \frac{5\sqrt{3n}}{4\sqrt{2n^3}}$$

$$35) \frac{4\sqrt{25x^2}}{3\sqrt{15x^2}}$$

$$36) \frac{5}{5\sqrt{5x^2}}$$

$$37) \frac{5\sqrt{16v^4}}{3\sqrt{20v^4}}$$

$$38) \frac{5\sqrt{4k^4}}{5\sqrt{3k^4}}$$

$$39) \frac{5\sqrt{5x^3y^2}}{5\sqrt{2x^3y^3}}$$

$$40) \frac{5\sqrt{5x^3y^3}}{5\sqrt{2xy^2}}$$