

Assignment

Date _____ Period _____

Simplify.

1) $\sqrt{96n^3}$

2) $\sqrt{36v^4}$

3) $\sqrt{147x^4y^3}$

4) $\sqrt{18x^4y^4}$

5) $2\sqrt{512x^2}$

6) $6\sqrt{48v^3}$

7) $-\frac{2x}{5\sqrt{3x^2}}$

8) $\frac{3\sqrt{15n^4}}{5\sqrt{6n}}$

9) $\frac{\sqrt{16r^2}}{\sqrt{20r}}$

10) $\frac{4\sqrt{2r}}{\sqrt{5r^3}}$

11) $\frac{\sqrt{4n^4}}{\sqrt{5n}}$

12) $\frac{5\sqrt{10n^3}}{5\sqrt{15n^2}}$

Assignment

Date _____ Period _____

Simplify.

1) $\sqrt{96n^3}$

$4n\sqrt{6n}$

2) $\sqrt{36v^4}$

$6v^2$

3) $\sqrt{147x^4y^3}$

$7x^2y\sqrt{3y}$

4) $\sqrt{18x^4y^4}$

$3x^2y^2\sqrt{2}$

5) $2\sqrt{512x^2}$

$32x\sqrt{2}$

6) $6\sqrt{48v^3}$

$24v\sqrt{3v}$

7) $-\frac{2x}{5\sqrt{3x^2}} - \frac{2\sqrt{3}}{15}$

8) $\frac{3\sqrt{15n^4}}{5\sqrt{6n}} - \frac{3n\sqrt{10n}}{10}$

9) $\frac{\sqrt{16r^2}}{\sqrt{20r}} - \frac{2\sqrt{5r}}{5}$

10) $\frac{4\sqrt{2r}}{\sqrt{5r^3}} - \frac{4\sqrt{10}}{5r}$

11) $\frac{\sqrt{4n^4}}{\sqrt{5n}} - \frac{2n\sqrt{5n}}{5}$

12) $\frac{5\sqrt{10n^3}}{5\sqrt{15n^2}} - \frac{\sqrt{6n}}{3}$