

H Geom R.8 Examples

Name:

Block:

Seat:

HAP R.8

5. $-8\sqrt{12} + \sqrt{3}$

If n is odd, $\sqrt[n]{a^n} =$

If n is even, $\sqrt[n]{a^n} =$

1. $\sqrt[3]{12} =$

6. $\frac{1}{\sqrt{3}}$

2. $\sqrt[6]{(-2)} =$

7. $\frac{5}{4\sqrt{2}}$

$\sqrt[n]{ab} =$

$\sqrt[n]{\frac{a}{b}} =$

$\sqrt[n]{a^m} =$

3. $\sqrt[n]{-16x^4} =$

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

4. $\sqrt[4]{\frac{16x^5}{81}} =$

9. $a^{m/n} =$

10. $32^{-2/5}$

11. $\left(\frac{9x^2y^{1/3}}{x^{1/3}y}\right)^{1/2}$

12. $(x^2 + 1)^{1/2} + x \cdot \frac{1}{2}(x^2 + 1)^{-1/2} \cdot 2x$