

6.5 Homework /In Class Practice/Review

Simplify.

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

2) $2\sqrt{8} - \sqrt{8}$

3) $-3\sqrt{12} + 3\sqrt{3} + 3\sqrt{20}$

4) $-2\sqrt{45} - 3\sqrt{20} - 2\sqrt{6}$

5) $\sqrt[3]{3} \cdot \sqrt[3]{-20}$

6) $\sqrt{6} \cdot \sqrt{2}$

7) $\sqrt[3]{3} \cdot \sqrt[3]{9}$

8) $3\sqrt{3}(4 - 3\sqrt{5})$

9) $4\sqrt{15}(\sqrt{6} + \sqrt{5})$

10) $-\sqrt{2}(\sqrt{10} - 4\sqrt{6})$

$$11) \frac{\sqrt{9}}{\sqrt{25}}$$

$$12) \frac{\sqrt{4}}{\sqrt{36}}$$

$$13) \frac{4\sqrt{2}}{3\sqrt{5}}$$

$$14) \frac{\sqrt[3]{10}}{\sqrt[3]{32}}$$

$$15) \frac{3\sqrt[4]{4}}{2\sqrt[4]{8}}$$

$$16) \frac{\sqrt[3]{10}}{\sqrt[3]{625}}$$

$$17) \frac{\sqrt{3}}{-1 - \sqrt{5}}$$