

Name Key
Date _____
Class _____

14.1 & 14.2 Practice: Evaluating Expressions

Evaluate each expression. Show your work in the space below.

1. $2\sqrt{25} + 3$

13

2. $7 - 12\sqrt{\frac{1}{9}}$

3

3. $3\left(\sqrt{\frac{48}{3}} - 2\right)$

6

4. $24 + (\sqrt[3]{-1000})^3$

(-976)

5. $13 + (\sqrt[3]{125})^3$

138

6. $2\frac{2}{3} - \left(\sqrt[3]{\frac{1}{27}}\right)^3$

$\frac{71}{27}$ or $2\frac{17}{27}$

Substitute the value of the variable and evaluate each expression. Show your work in the space below.

7. $2b - \sqrt[3]{9b}, b = -3$

(-3)

8. $\sqrt[3]{8y} + y, y = 64$

72