

Homework

p.432: 3, 6, 7, 8, 13, 14, 16, 17

ADD AND SUBTRACT FUNCTIONS Let $f(x) = -3x^{1/3} + 4x^{1/2}$ and $g(x) = 5x^{1/3} + 4x^{1/2}$. Perform the indicated operation and state the domain.

3. $f(x) + g(x)$

6. $g(x) + g(x)$

7. $f(x) - g(x)$

8. $g(x) - f(x)$

MULTIPLY AND DIVIDE FUNCTIONS Let $f(x) = 4x^{2/3}$ and $g(x) = 5x^{1/2}$. Perform the indicated operation and state the domain.

13. $g(x) \cdot f(x)$

14. $f(x) \cdot f(x)$

16. $\frac{f(x)}{g(x)}$

17. $\frac{g(x)}{f(x)}$