

Moderate Functions

Cubic

Cubic Range

1. *range* x^3

2. *range* $2x^3$

3. *range* $-x^3$

4. *range* $f(x) = (x - 2)^3$

5. *range* $f(x) = (x - 1)^3$

6. *range* $4x^3$

7. *range* $9x^3$

8. *range* $f(x) = (2x - 1)^3$

9. *range* $f(x) = (2x - 2)^3$

10. *range* $f(x) = x^3 + 1$

Answers**Moderate Functions****Cubic****Cubic Range**

1. $-\infty < f(x) < \infty$

2. $-\infty < f(x) < \infty$

3. $-\infty < f(x) < \infty$

4. $-\infty < f(x) < \infty$

5. $-\infty < f(x) < \infty$

6. $-\infty < f(x) < \infty$

7. $-\infty < f(x) < \infty$

8. $-\infty < f(x) < \infty$

9. $-\infty < f(x) < \infty$

10. $-\infty < f(x) < \infty$