## Domain and Range Worksheet PDF - GeeksforGeeks

1. Find the domain and range of the function $\mathrm{f}(\mathrm{x})=\sqrt{3 x-5}$.
2. Determine the domain and range of the function $\mathrm{g}(\mathrm{x})=\frac{1}{x-4}$.
3. For the function $\mathrm{h}(\mathrm{x})=\frac{x^{2}-9}{x+2}$, identify its domain and range.
4. Explore the function $\mathrm{k}(\mathrm{x})=\cos (\mathrm{x})$. What are its domain and range?
5. Investigate the function $m(x)=\ln (x+2)$. Identify its domain and range.
6. Find the domain and range of the function $f(x)=\sqrt{4-x^{2}}$.
7. Determine the domain and range of the function $\mathrm{g}(\mathrm{x})=\frac{1}{2 x-1}$.
8. For the function $\mathrm{h}(\mathrm{x})=\frac{x^{2}-16}{x-4}$, determine its domain and range.
9. Explore the function $\mathrm{k}(\mathrm{x})=\tan (\mathrm{x})$. What are its domain and range?
10. Investigate the function $m(x)=\log (x-3)$. Identify its domain and range.
11. Find the domain and range of the function $f(x)=\sqrt{x^{2}-9}$.
12. Determine the domain and range of the function $\mathrm{g}(\mathrm{x})=\frac{1}{x^{2}-4}$.
13. For the function $\mathrm{h}(\mathrm{x})=\frac{x^{2}-25}{x+5}$, identify its domain and range.
14. Explore the function $k(x)=\cot (x)$. What are its domain and range?
15. Investigate the function $m(x)=\log \left(x^{2}+1\right)$. Identify its domain and range.
16. Find the domain and range of the function $f(x)=\sqrt{2 x+3}$.
17. Determine the domain and range of the function $\mathrm{g}(\mathrm{x})=\frac{1}{3 x+2}$.
18. For the function $\mathrm{h}(\mathrm{x})=\frac{x^{2}+36}{x-6}$, determine its domain and range.
19. Explore the function $\mathrm{k}(\mathrm{x})=\sec (\mathrm{x})$. What are its domain and range?
20. Investigate the function $m(x)=\log \left(x^{3}-8\right)$. Identify its domain and range.
