Write the Domain and Range in set notation and interval notation.

1) 2) 3)

4) 5) 6)



7) 8) 9)

ANSWERS

1. Set notation

Domain: $\left\{-\infty <x<+\infty \right\}$

Range: $\left\{y\geq -3\right\}$

Interval Notation

Domain: $(-\infty . +\infty )$

Range: [-3, $\infty $)

1. Set notation

Domain: $\left\{-\infty <x<+\infty \right\}$

Range: {$y\leq 3\}$

Interval Notation

Domain: $(-\infty , +\infty )$

Range: ($-\infty , 3)$

1. Set notation

Domain: $\{x\geq -2\}$

Range: $\{y\geq 1\}$

Interval Notation

Domain: [-2, $\infty )$

Range: [1, $\infty )$

1. Set notation

Domain: $\left\{-\infty <x<+\infty \right\}$

Range: {$y\leq -6\}$

Interval Notation

Domain: $(-\infty . +\infty )$

Range: $(-\infty , -6]$

1. Set notation

Domain: $\left\{-\infty <x<+\infty \right\}$

Range: {$y>-3\}$

Interval Notation

Domain: $(-\infty . +\infty )$

Range: (-3, +$\infty )$

1. Set notation

Domain: $\left\{-\infty <x<+\infty \right\}$

Range: {$y\geq 0$}

Interval Notation

Domain: $(-\infty . +\infty )$

Range: [0, $+\infty $)

1. Set notation

Domain: {$x\geq 3\}$

Range: {$y\geq 1\}$

Interval Notation

Domain: [3,$+\infty )$

Range: [0, $+\infty )$

1. Set notation

Domain: $\left\{-\infty <x<+\infty \right\}$

Range: { $y>1\}$

Interval Notation

Domain: $(-\infty . +\infty )$

Range: (1, $+\infty )$

1. Set notation

Domain: $\left\{-\infty <x<+\infty \right\}$

Range: {$y\geq 2\}$

Interval Notation

Domain: $(-\infty . +\infty )$

Range: [2, +$\infty )$