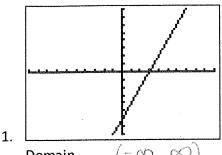


Where to Begin and End

For each function below, state the domain and range, name the intervals where the function is increasing or decreasing, and describe the end behavior.



Domain $(-\infty, \infty)$

Range $(-\infty, \infty)$ Increasing $(-\infty, \infty)$

Decreasing____

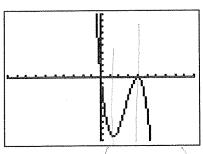
End behavior $AS \times 9 \infty$,

2. Domain ___ Range ____

Increasing $(0, \infty)$

Decreasing

End behavior $A \leq X \Rightarrow A \otimes A$



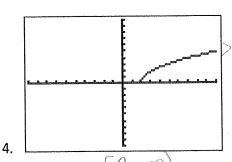
Domain ____

3.

 $(-\infty,\infty)$ Range _____

Increasing ____

Decreasing End behavior



Domain $2, \infty$

Range _____

Increasing ____ (a, ∞

Decreasing _____

End behavior $AS \times 900, Y = 900$ $AS \times 92, Y = 0$

Mathematics Enhanced Scope and Sequence - Algebra II (100x 100 612 510 Pe

| | | 1 | |
|----|------|--------|---|
| 5 | flvl | =3x + | 5 |
| ⊸. | 1111 | - JA 7 | |

Domain

Range ____

Decreasing _____

End behavior $AS \times A = A$

7. $f(x) = x^2$ Parent metron

Domain

Range $(0, \infty)$

Increasing ____ (\bigcirc , ∞

Decreasing (-00,6)

End behavior $\chi \rightarrow \infty$, $\psi \rightarrow \infty$

Domain

(-00, Range

Increasing

Decreasing

End behavior ___ X → ∞ ,

6. f(x) = -3x + 5

-90,00 Domain

Range

Increasing

Decreasing ___

End behavior

8. $f(x) = (x + 3)^2$

Domain ___

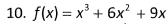
Range___

Increasing ____

1-00, Decreasing

End behavior $\times \Rightarrow \varnothing$, \checkmark

V -3 -00, 4



Domain $(-\infty, \infty)$

Range_

Increasing

Decreasing (-3, -1)

End behavior $\mathbb{A} \leq \mathbb{X} \supset \emptyset$,