

3. Function Family:

Domain:

Range:

Increasing:

Decreasing:

X-intercepts:

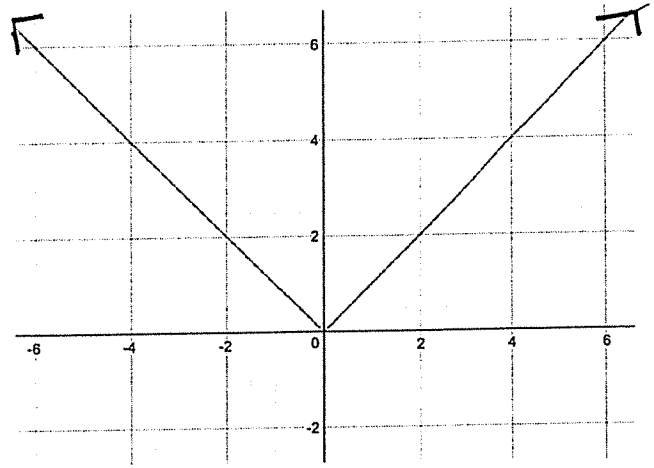
Y-intercepts:

Asymptotes:

End Behavior:

Left: As x approaches _____, y approaches _____.

Right: As x approaches _____, y approaches _____.



Name: _____

4. Function Family:

Domain:

Range:

Increasing:

Decreasing:

X-intercepts:

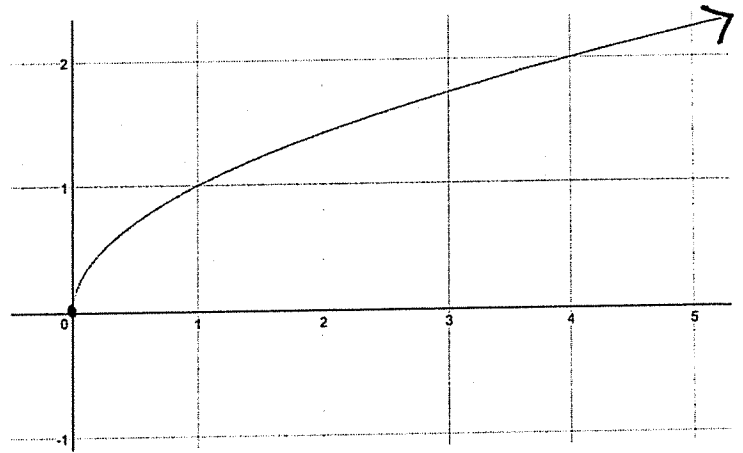
Y-intercepts:

Asymptotes:

End Behavior:

Left: As x approaches _____, y approaches _____.

Right: As x approaches _____, y approaches _____.



Given specific key features of a function, graph.

5. Domain: $[-5, 5)$

Range: $[0, 4)$

Increasing: $(-5, -3) \cup (0, 1)$

Decreasing: $(-3, 0) \cup (4, 5)$

Constant: $(1, 4)$

x-intercept: $(-5, 0)$ $(0, 0)$ $(5, 0)$

y-intercept: $(0, 0)$

6. Domain: $(-3, +\infty)$

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

Increasing: $(-3, 0) \cup (4, +\infty)$

Decreasing: $(0, 4)$

x-intercept: $(-2, 0)$ $(2, 0)$ $(5, 0)$

y-intercept: $(0, 2)$

7. Domain: $[-4, +\infty)$

Range: $[-2, +\infty)$

Increasing: $(-2, 0) \cup (4, +\infty)$

Decreasing: $(-4, -2) \cup (0, 1)$

Constant: $(1, 4)$

x-intercepts: $(-3, 0)$ $(-1, 0)$ $(1, 0)$ $(5, 0)$

y-intercept: $(0, 1)$

8. Domain: $[-6, 4)$

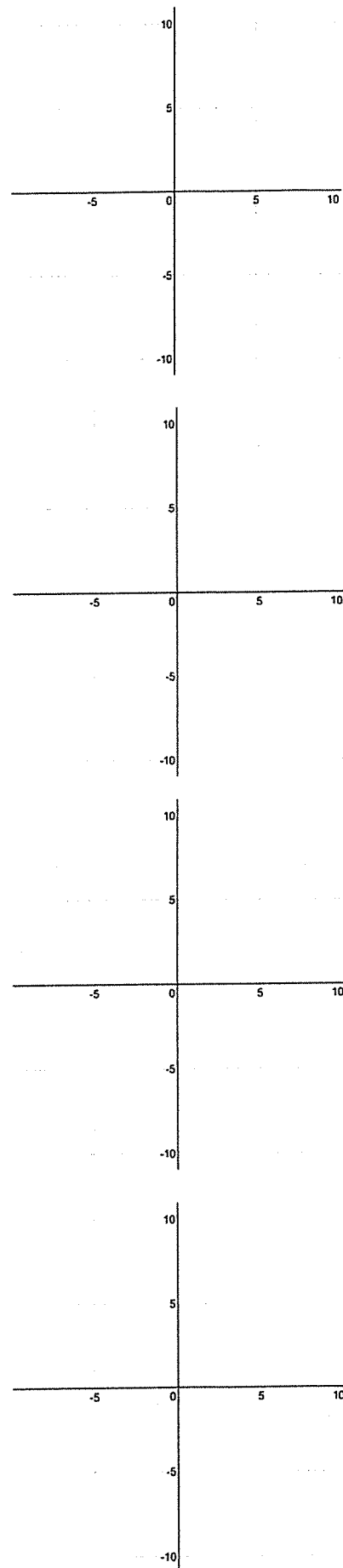
Range: $(-3, 3]$

Increasing: $(-6, -3) \cup (0, 4)$

Decreasing: $(-3, 0)$

x-intercept: $(-5, 0)$ $(-2, 0)$ $(3, 0)$

y-intercept: $(0, -2)$



Determine the key features of each graph.

9. Domain:

Range:

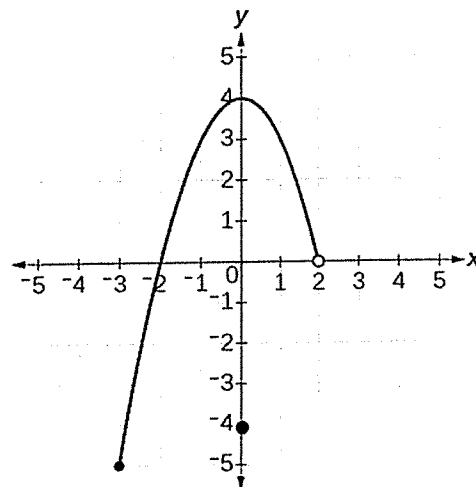
Increasing:

Decreasing:

Constant:

X-intercepts:

Y-intercepts:



10. Domain:

Range:

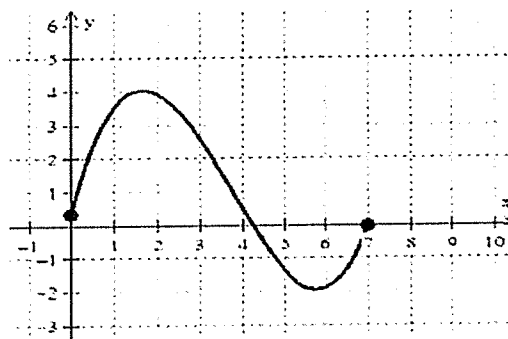
Increasing:

Decreasing:

Constant:

X-intercepts:

Y-intercepts:



11. Domain:

Range:

Increasing:

Decreasing:

Constant:

X-intercepts:

Y-intercepts:

