Day 4 - Characteristics of Functions   Name:_____

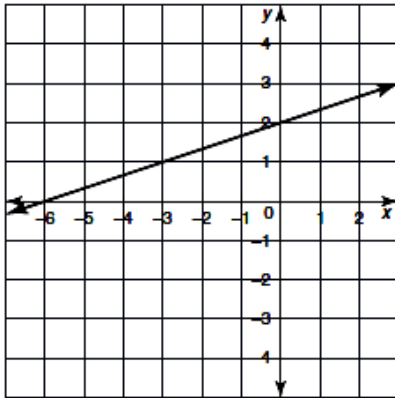## Home Work Practice   Date:_____ Block:_____

Determine the equation for each graph. Then identify all of the characteristics listed for the following graphs.

1. Equation: _____   Positive: Negative:

Domain: Range:

X-Intercept: Y-Intercept: Zeros:

Int. of Increase: Int. of Decrease   Constant:

Maximum: Minimum:

End Behavior: As x → -∞, f(x) → _____

As x → ∞, f(x) → _____

2. Equation: _____

Positive: Negative:

Domain: Range:
X-Intercept: Y-Intercept: Zeros:
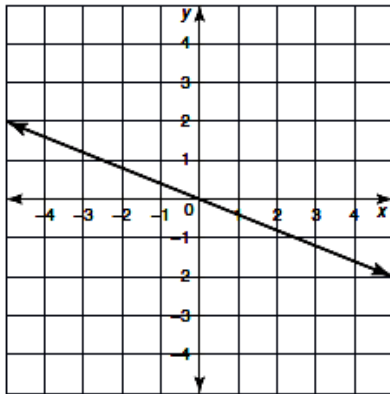
Int. of Increase: Int. of Decrease   Constant:

Maximum: Minimum:

End Behavior: As x → -∞, f(x) → _____

As x → ∞, f(x) → _____

3. Equation: _____

Positive: Negative:
Domain: Range:
X-Intercept: Y-Intercept: Zeros:
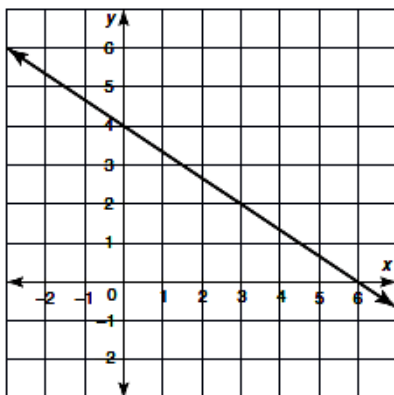
Int. of Increase: Int. of Decrease   Constant:

Maximum: Minimum:

End Behavior: As x → -∞, f(x) → _____
As x → ∞, f(x) → _____

4. Equation: _____

Positive: Negative:

Domain: Range:

X-Intercept: Y-Intercept: Zeros:
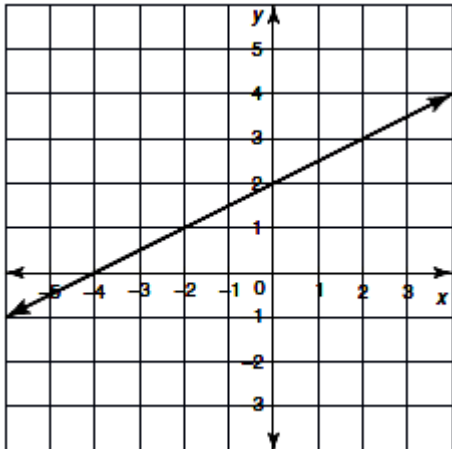
Int. of Increase: Int. of Decrease: Constant:

Maximum: Minimum:

Positive: Negative:

End Behavior: As x → -∞, f(x) → _____

As x → ∞, f(x) → _____

5. Equation: _____

Positive: Negative:

Domain: Range:

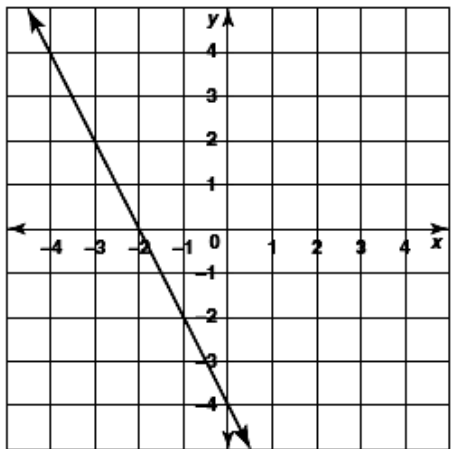X-Intercept: Y-Intercept: Zeros:

Int. of Increase: Int. of Decrease: Constant:

Maximum: Minimum:

Positive: Negative:

End Behavior: As x → -∞, f(x) → _____

As x → ∞, f(x) → _____