Characteristics of Linear Functions

NAME:_____ **PD:** _____ **DATE:** _____

1. Domain: _____ Range: _____

   X intercept(s): _____ Y Intercept: _____

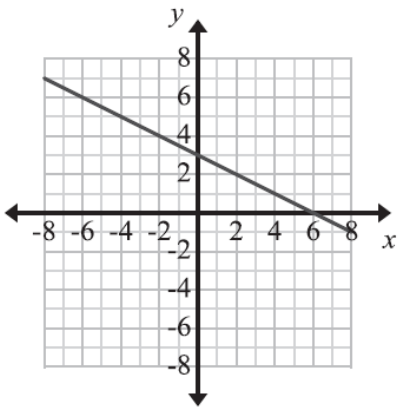
   Circle: Increasing or Decreasing

   Slope:_____

   End Behavior: x →∞, f(x) → _____

   X → - ∞, f(x) → _____

   Equation:_____



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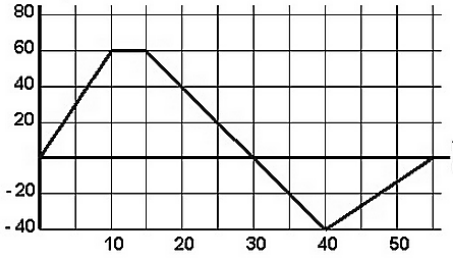
2. Domain: _____ Range: _____

   X intercept(s): _____ Y Intercept: _____

   End Behavior: x →∞, f(x) → _____

   X → - ∞, f(x) → _____



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3. Domain: _____ Range: _____

   X intercept(s): _____ Y Intercept: _____

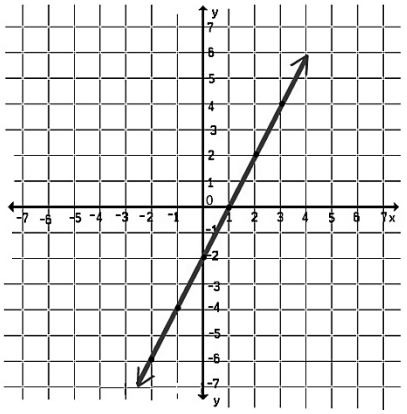
   Circle: Increasing or Decreasing

   Slope:_____

   End Behavior: x →∞, f(x) → _____

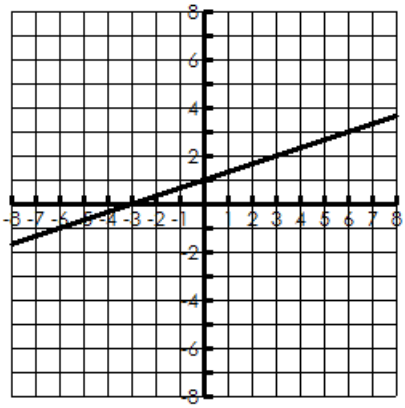
   X → - ∞, f(x) → _____

   Equation: _____



Characteristics of Linear Functions

4. Domain: _____ Range: _____



X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope:_____

End Behavior: x →∞, f(x) → _____

X → - ∞, f(x) → _____

Equation: _____

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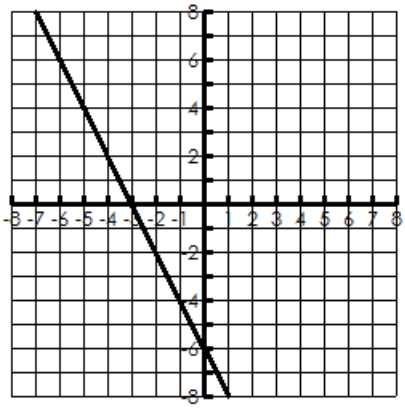
5. Domain: _____ Range: _____



X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope:_____

End Behavior: x →∞, f(x) → _____

X → - ∞, f(x) → _____

Equation:_____

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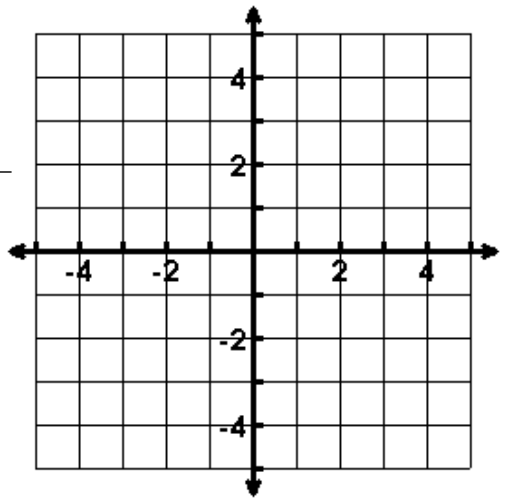
6. Graph the line and write the characteristics.

$f(x) = -\frac{1}{2}x + 4$

Domain: _____ Range: _____



X intercept(s): _____ Y Intercept: _____

Circle: Increasing or Decreasing

Slope:_____

End Behavior: x →∞, f(x) → _____

X → - ∞, f(x) → _____