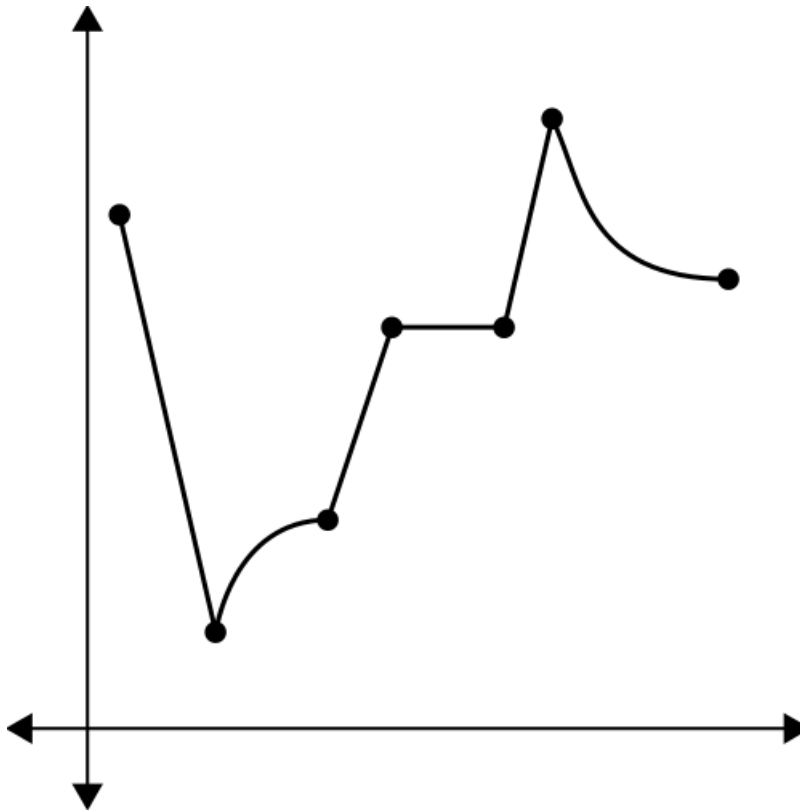


8 Review Day 1

Label each section of the graph. Use as many of the following terms as needed.

Linear (L), Non-linear (NL), Increasing (I), Decreasing (D), Constant (C), Faster (F), Slower (S)



Using only your brain, perform the following calculations.

$$\sqrt{64}$$

$$-5 - (-13)$$

$$32 \div (-4)$$

$$-19 + (-6)$$

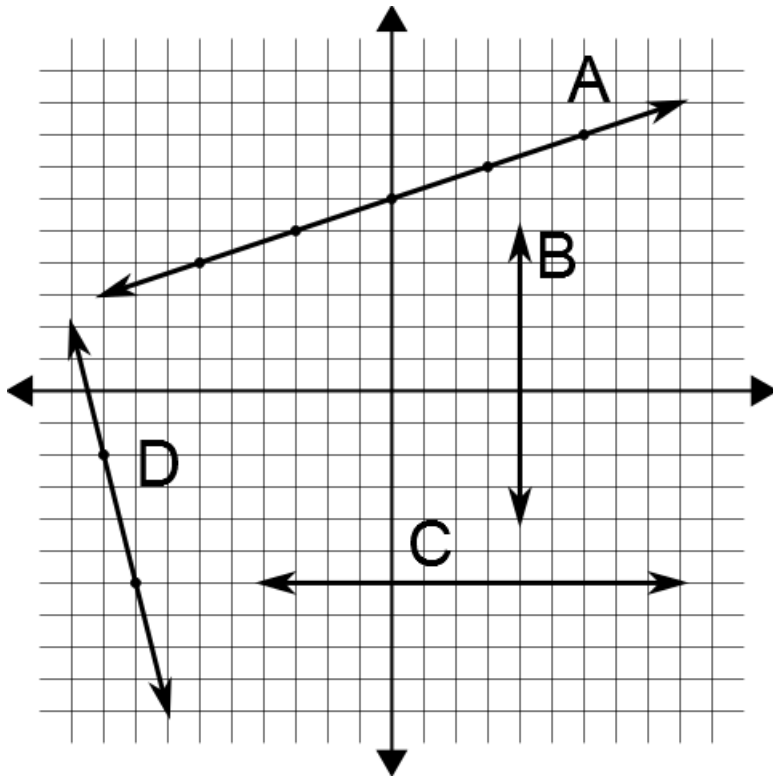
$$\sqrt{16} \cdot \sqrt{100}$$

$$(-7)(-9)$$

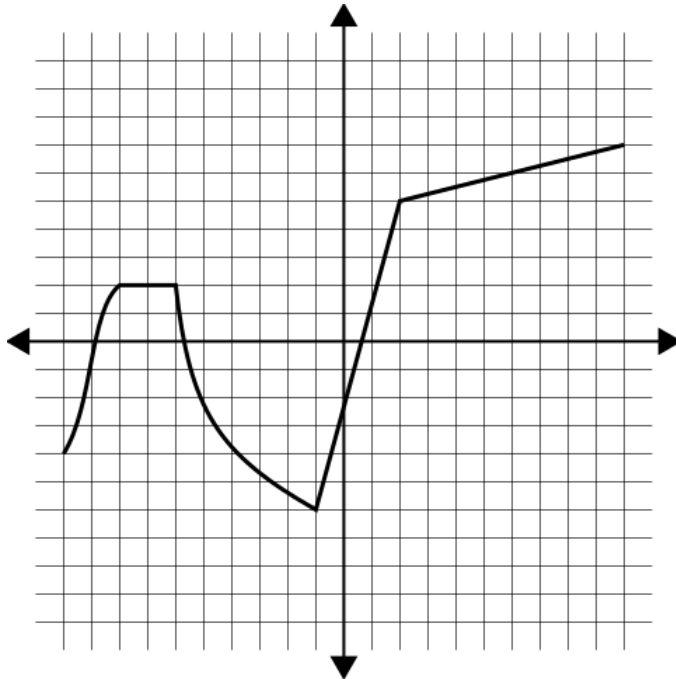
$$-6 + \frac{2 \cdot -7 + 4^3 - (-5)}{5+6} + 8(7 - 10)$$

$$(\sqrt{\text{oatmeal}})^2$$

Find the slope of each line.

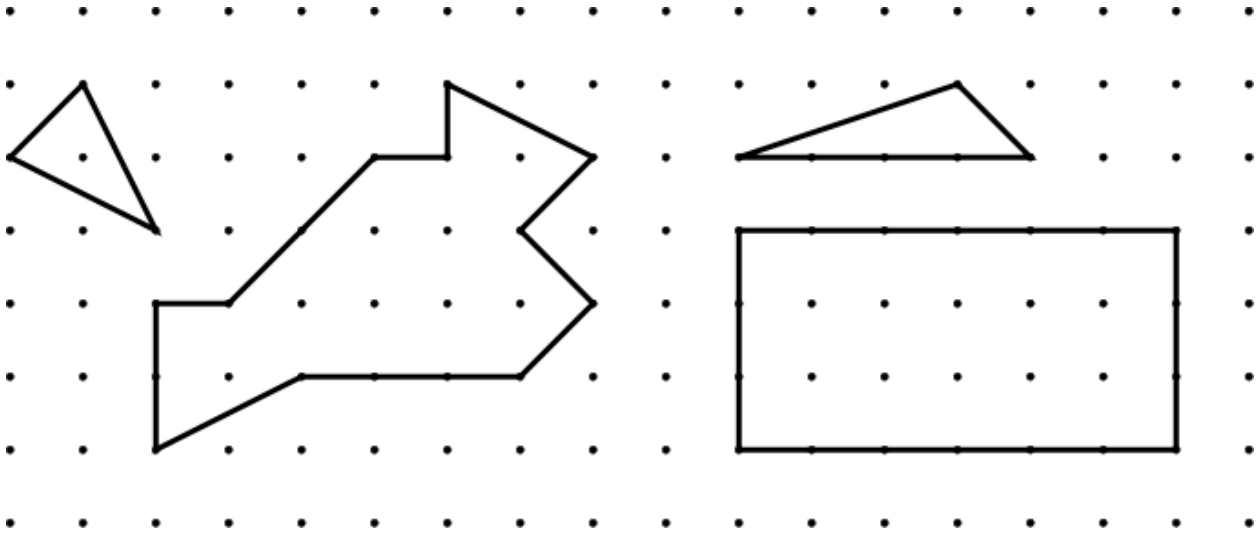


Write the interval using an inequality and check the appropriate box.



Interval	Increasing	Decreasing	Constant

Find the area of each shape.



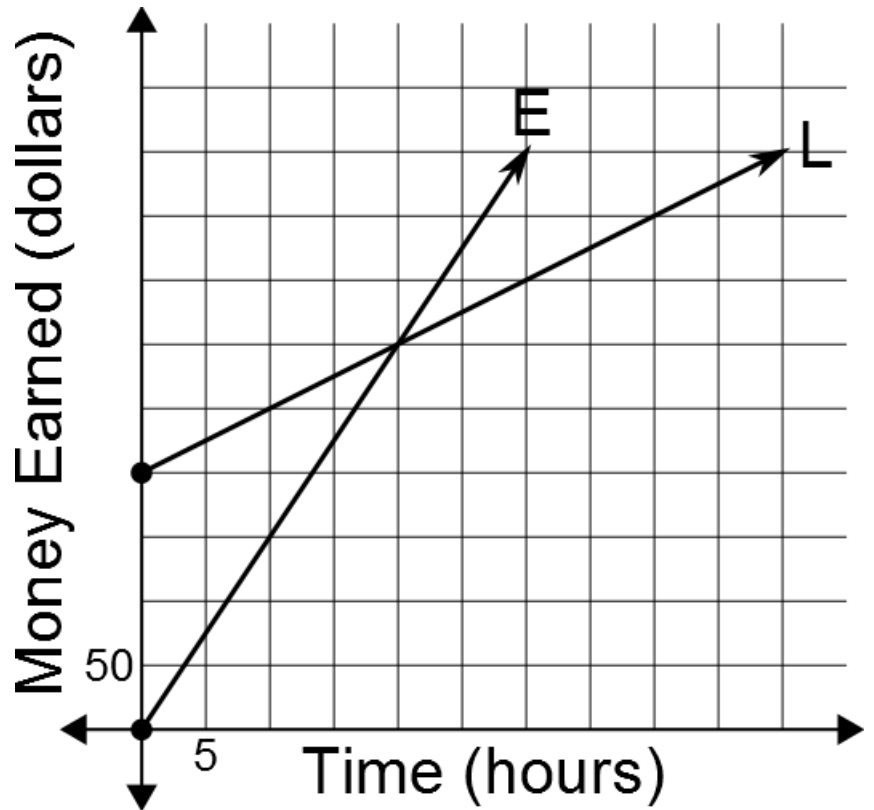
Write the equation of the line that passes through the points $(-8, 34)$ and $(10, -29)$.

Write the equation for any vertical line.

Write the equation for any horizontal line.

The graph shows the relationship between the hours worked and the money that Esther (E) and Larry (L) earn.

Is either of these relationships proportional?
Explain exactly what about the graph makes each one proportional or not.



Now, write an equation for each relationship.

Esther:

Larry:

Interpret your equations by explain the meaning of each number in this context. Use vocabulary words!

Explain exactly what about the equations makes each graph proportional or not.