

U4 LT5 Practice Day 2

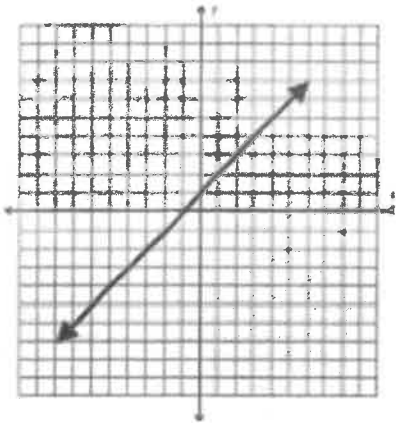
LT 5: SWBAT find the slope and y-intercept of a linear function.

Success Criteria:

Class Examples:

Tell whether the following are increasing or decreasing and then find the slope and y-intercept.

Ex 1:

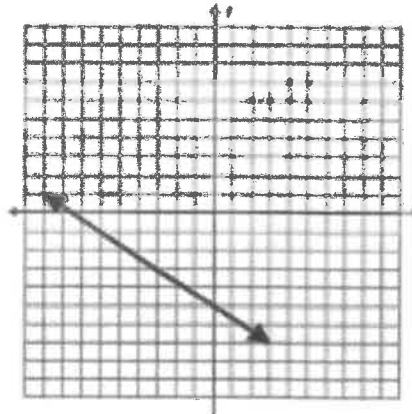


Inc or Dec?

Slope:

y-intercept:

Ex 2:



Inc or Dec?

Slope:

y-intercept:

Class Practice:

Using the green cards, sort into the following categories. Place the letter of each graph in the correct category.

1.

| Increasing | Decreasing |
|------------|------------|
| | |

2.

| Positive y-intercept | Negative y-intercept |
|----------------------|----------------------|
| | |

3. All graphs should fit into one of the following.

| | | |
|---|--|--------------------------------|
| Slope = -3 | Slope = 2 | Slope = -2 |
| | | |
| Slope = $\frac{1}{2}$ | Slope = $-\frac{1}{2}$ | Slope = 3 |
| | | |

4. The equation of the line for Graph F is

$$y = 2x + 3$$

Describe how this equation and the slope and y-intercept for Graph F are related.

5. The equation of the line for Graph J is

$$y = \frac{1}{2}x - 3$$

Describe how this equation and the slope and y-intercept for Graph J are related.