Final Exam Review: Coloring Activity DUE 12/12

- 1. Jill has a \$30 gift certificate for a movie rental. Each time she rents a movie, \$6 is <u>deducted</u> from her gift certificate balance. If m represents the number of movies Jill rents, which of these expressions can be used to determine her gift certificate balance?
 - 30m-6 White

30-6m

- В 30m+6 Red
- 30 + 6m Blue 30 - 6m Green
- 2. Julie opened a checking account with a \$50 deposit. Each month she earns \$60 tutoring math, of which she spends \$22 per month. She deposits the rest of her

have in her checking account after m months?

earnings into her checking account. Which expression best represents how much money Stephanie should

50 + (60 - 22)m

Purple

B 50 + 22m

Pink

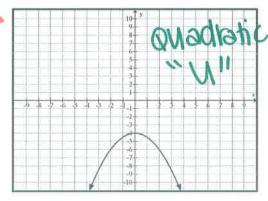
C 50 + 60m

Light Blue

D 50 + 60m - 22

50 + (60-22) m

3. Which function is the parent function of the graph below?



 $\forall V = X$

Pink

B y = x - 4

Light Green

Red

Blue

Marcy deposits \$550 in a savings account at 3% simple annual interest. The value of this account, v, is given by the function V = 550 + 16.5t, in which t is the number of years the money is in the bank. What is the range of this function? value of accoun

 $A 0 \le v \le 550$

Yellow

B) v ≥ 550

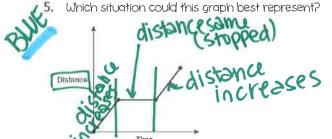
Light Green

Black

 $0 \le v \le 16.5$

Gray

Always \$550 or more.



- A boy ran for 10 minutes, rested on a bench for 15 minutes, and then ran for 10 more minutes. (Blue)
- A boy ran for 10 minutes, walked for 15 minutes, and then ran for 10 more minutes. (Red)
 - A boy ran for 10 minutes, rested on a bench for 15 minutes, and then walked for 10 more minutes. (Gray) SP
- A boy walked for 10 minutes, ran for 15 minutes, and then walked for 10 more minutes. (Brown)



6. Kim has determined that when she reads at a rate of 4 pages per minute, the relationship between the number of pages she reads, p and the time she spends reading, t, is described by the relationship p = 4t. Which best represents the dependent quantity in this situation?

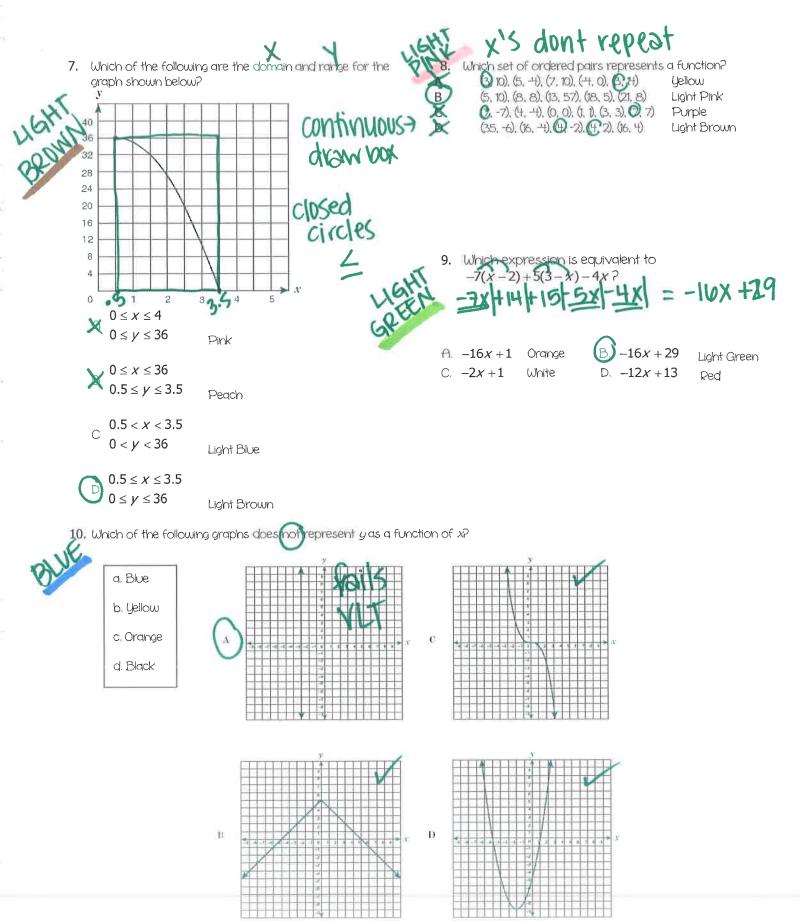
The rate of pages read depends on the number of pages read (Light Blue)

The rate of pages read depends on the time spend

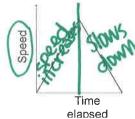
reading (Yellow) C) The number of pages read depends on the time spent

reading. (Black)

The time spent reading depends on the number of pages read (Orange)



11. The graph below best represents which of the following relationships between speed and time elapsed?



X

Carol rides her bike steadily up the street and then takes a break and then quickly rides back (Orange)

X

A woman climbs a hill at a steady pace and then starts to run down one side. (Pink)

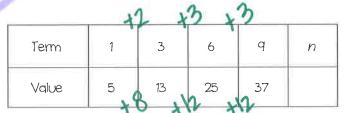
X

Mike runs up a hill and then runs back down the hill. (Light Brown)

(D)

Bill rode his bicycle down a hill and then slowly came to a stop. (Light Green)

12. Which expression can be used to find the nth term in the following sequence, where n represents a number's position in the sequence?



 θ . n+4

3n + 4

Yellow

Light Brown

C. 5*n*

B.

Pink

 \bigcirc 4n+1

Purple

13. Diego solved the following equation using the steps shown below.

Step 1 3x + 6 = x + 18Step 2 2x + 6 = 18

Step 3 2x = 12

Step 4x = 6

"baby to mama"

What operation did he perform to get from Step 1 to Step 27

A Added x to both sides of the equation

Green

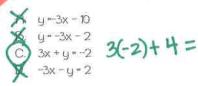
B Divided both sides of the equation by 2 C Multiplied both sides of the equation by 2

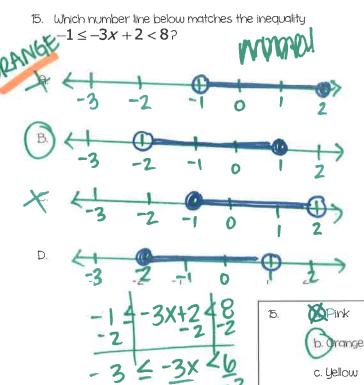
Yellow

D Subtracted x from both sides of the equation Light Blue

y-4=-3(x+2)

Write the equation of the line that passes through the point (-2, 4) and has a slope of -3, in standard form.





FLIP 12x>-2 -2<x<1 d. Tan



S Busy Me Plus Three