

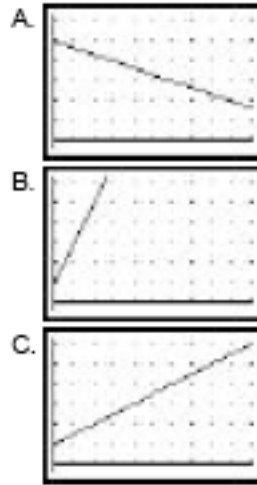
Assessment: What's Your Rate of Change?

Match the following equations with the graphs they represent:

____ 1. $y = 1 + 0.5x$

____ 2. $y = 2x + 1$

____ 3. $y = 5 - (1/3)x$

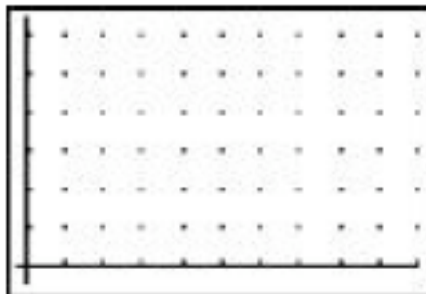


Draw a graph of the following:

4. Start 2 feet from the electronic data-collection device and stand still for 2 seconds. Then walk away from the device at a rate of 1 foot per second for 3 seconds. Then walk toward it at a rate of 0.2 feet per second for 5 seconds.



5. Start 4 feet from the electronic data-collection device and walk toward it at a rate of 3 feet per second for 1 second. Then walk away from the device at a rate of 0.4 feet per second for 5 seconds. Then walk toward the device at a rate of $3/4$ feet per second for 4 seconds.

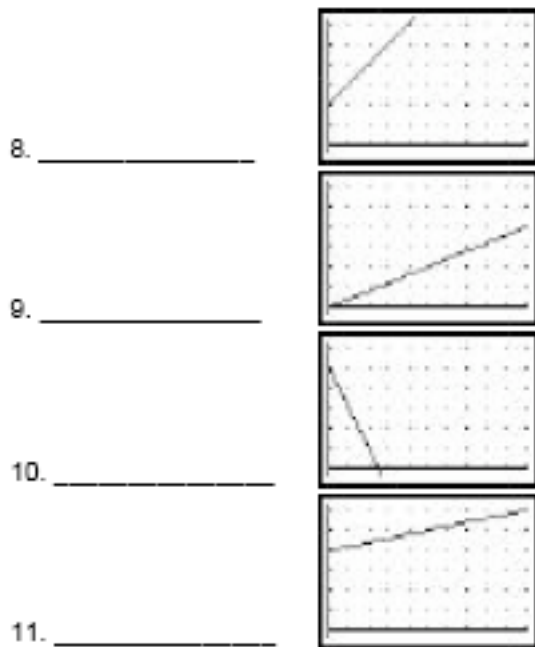


Write an equation for the following:

6. Start 3 feet from the electronic data-collection device and walk away from it at a rate of 0.5 feet per second.

7. Start 4.5 feet from the electronic data-collection device and walk away from it at a rate of 2.5 feet per second.

Write an equation for the following:



Write a story for the following graph:

12. Use units of minutes for time and city blocks for distance.

