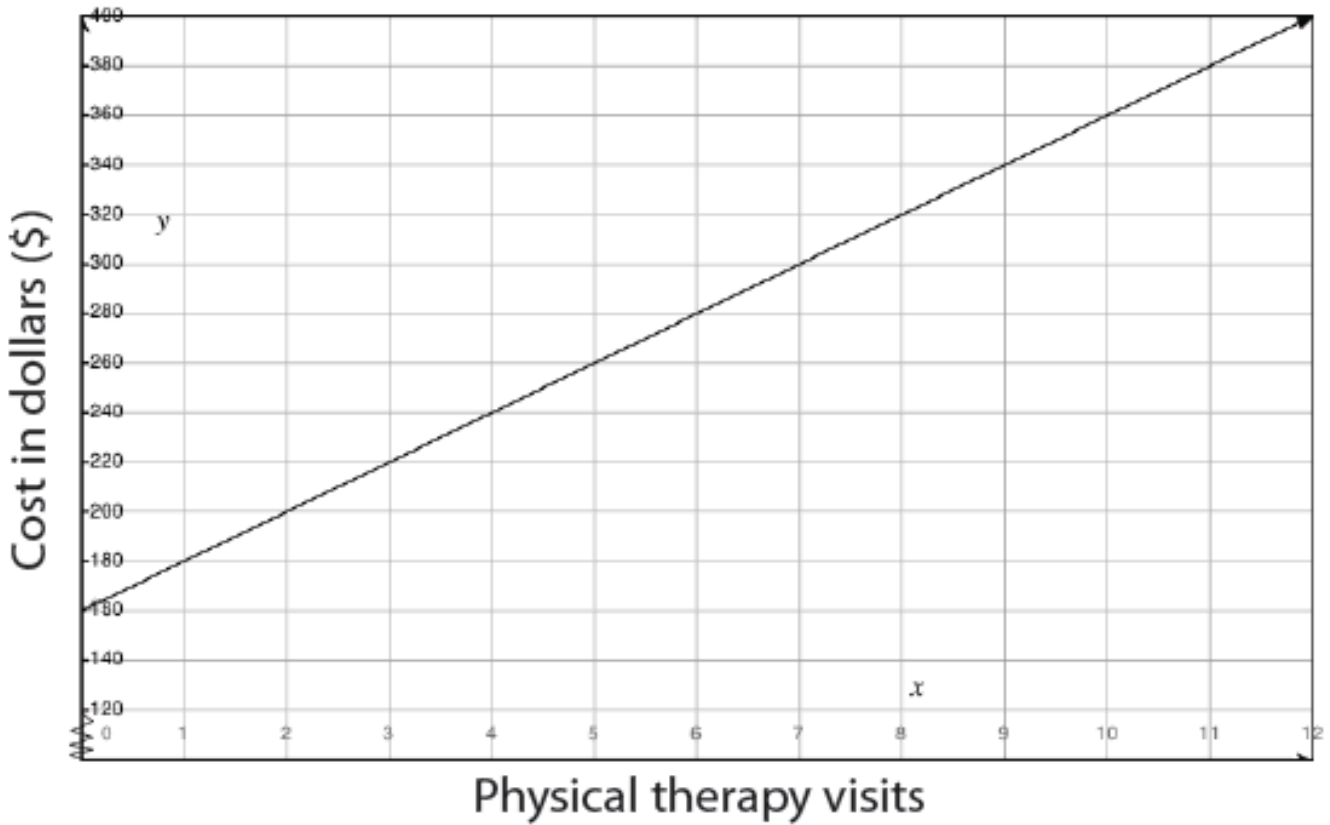
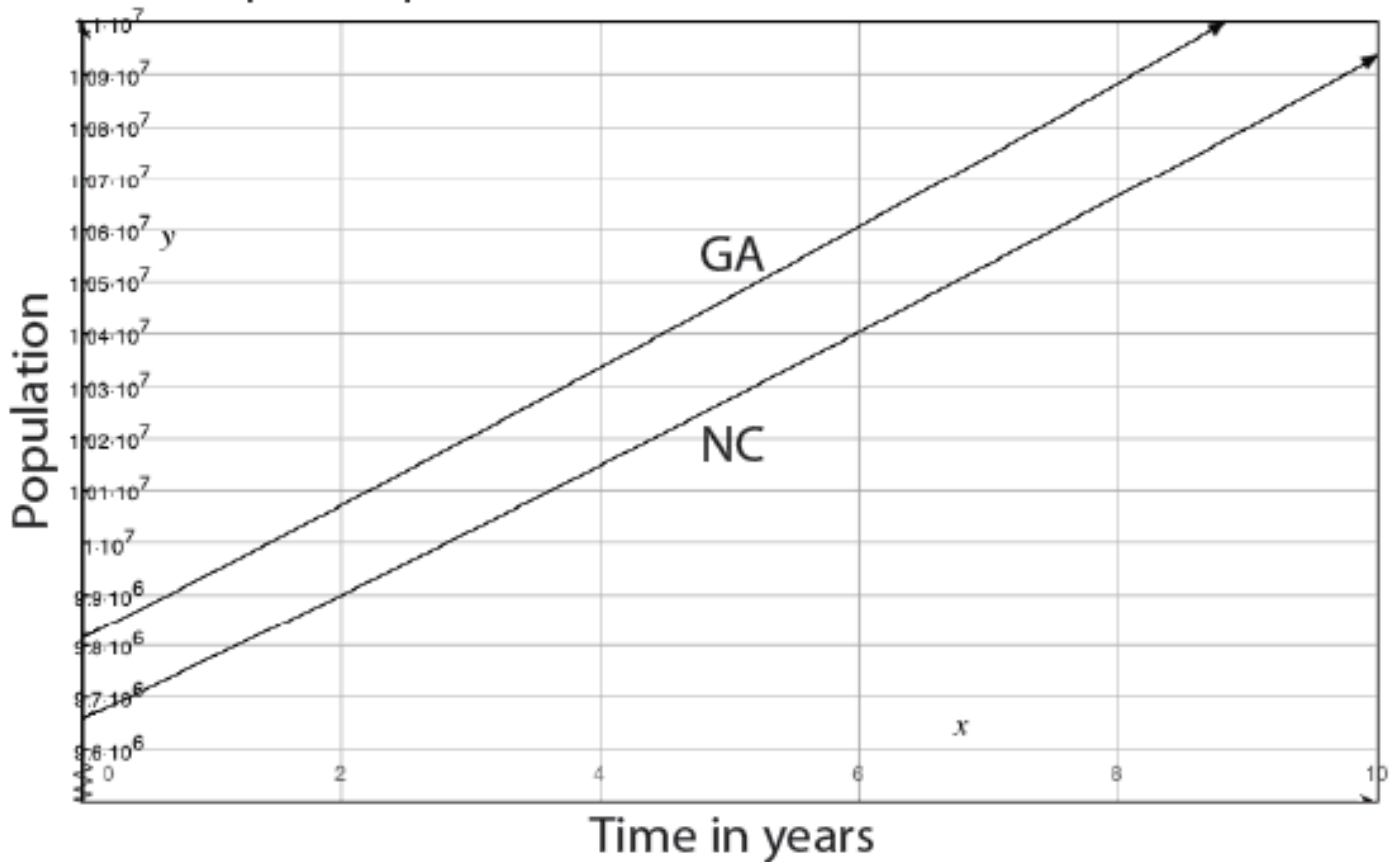


Unit 1 Assessment Key

Unit Assessment pp. 203–209

- | | |
|------|-------|
| 1. b | 7. b |
| 2. c | 8. b |
| 3. a | 9. d |
| 4. d | 10. d |
| 5. c | 11. c |
| 6. b | 12. a |
13. a. $252 = 6x + 0.05(6x)$; b. \$40; c. \$12
14. a. $y = 20x + 160$; b. Graph:





- d. Georgia starts out with more people than North Carolina. This is seen in the y -intercepts. Georgia starts out higher on the y -axis. Georgia also has a higher growth rate, 1.3% versus 1.25%. The different growth rates cause the graphs to grow farther apart as time goes on. If the current growth rates continue, Georgia's population will always be greater than North Carolina's population.