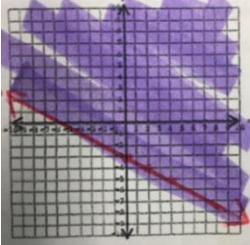
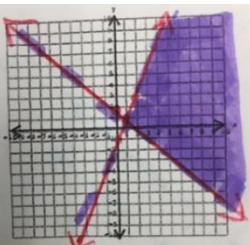


Trimester II Benchmark Review Key

1. No solution
 2. $(2, 5)$
 3. Infinitely Many Solutions
 4. $(1, \frac{1}{2})$
 5. $(10, 2)$
 6. $(2, 1)$
 7. $(-1, 3)$
 8. Variables : let c = Charlie's age ; let a = Alan's age
 Verbal Model : Charlie's age plus Alan's age is 39
 Equation $c + a = 39$
 Verbal: Alan's age times two minus three is Charlie's age
 Equation: $2a - 3 = c$
Charlie is 25 years old
Alan is 14 years old
9. $\{x | x < -4 \text{ or } x \geq 5\}$
 10. $12 + x < 2x + (-8) ; \{x | x > 20\}$
 11. $\left\{c \mid c \geq \frac{5}{4}\right\}$
 12. $\{z | z < -8\}$
 13. $\{x | x < -6\}$
 14. $\{h | 1 < h < 3\}$
 15. $m = 6 \text{ or } m = 5$
 16. $\{t | t < 1 \text{ or } t > -5\}$
 17. $\{x | x \geq 7 \text{ or } x \leq -7\}$
 18. $\{k | 3 \leq k < 10\}$
 19. No Solution
 20. 
 21. 
 22. $\frac{1}{16}c^2d^6$
 23. $-54m^5n^4$
 24. $\frac{1}{x^5y^5}$
 25. $\frac{g^8h^2}{9}$
 26. $\frac{a^4}{40b^4d^9}$
 27. $\frac{81}{256}$
 28. $\frac{36}{49p^{12}s^6}$
 29. $-3p^2 + 2p + 8$
 30. $-3y^2 + 3y - 12$
 31. $-f^2 - 10f + 1$
 32. $15j^2k^2 + 10jk^2$
 33. $-14h^3 - 8h^2$
 34. $6m^3 + 3m^2 - 7m - 12$
 35. $42a^2 - 45a + 12$
 36. $q^2 + 11q + 30$
 37. $t^3 + 7t^2 + 19t + 21$
 38. $25w^2 - 40w + 16$
 39. $q^2 + 14q + 49$
 40. $b^2 - 36$
 41. $b = -\frac{1}{4}$
 42. $u = -4$
 43. $x = 32$
 44. $y = -4$
 45. $y = \frac{1}{4}x - 1$
 46. $y = \frac{4}{3}x - \frac{1}{3}$
 47. $y = -\frac{3}{2}x - \frac{7}{2}$
 48. $12x + 6y = 7$
 49. $5x + y = -57$
 50. $3x - 2y = -22$