

Math 8 EOC Review ANSWERS

SECTION #1

1. B
2. C
3. B
4. A. one solution
B. no solution
C. one solution
5. D
6. 4
7. -2
8. B
9. $x = 20$
10. B, D, and E
11. A
12. B
13. 666,666,667
14. B, D
15. $b = \frac{1}{3}$

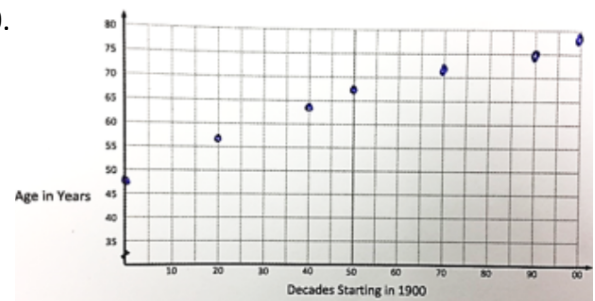
SECTION #2

1. Line through the origin (0, 0) and passing through (4, 1)
2. B, D
3. B
4. B
5. B
6. Answers will vary; only thing that matters is that b and c are different than 3.
7. A
8. $\frac{3}{2}$ (use the slope formula between the two given points)
9. $y = 3x - 6$

10. $b = 6$ because (0, 6) is a point and the y-intercept will always have an x-coordinate of 0
11. I, H, K, J
12. C, D
13. C
14. Slope must be in between $\frac{1}{2}$ and 2.
15. B
16. B
17. A
18. C

SECTION #3

1. 4
2. B, E, F
3. A
4. 88°
5. $x = 30$
6. 9.85 units
7. 12 ft (use Pythagorean theorem with $a = 5$ and $c = 13$)
8. 74.37 cubic inches
9. D
- 10.



11. B, E, and F
12. $\frac{73}{135} = 0.54 = 54\%$
13. $\frac{48}{110} = 0.44 = 44\%$
14. A