

Math 7 EOC Review ANSWERS

SECTION #1

1. B (the distance between a and 1 appears to be less than the distance between 1 and 0, so it looks like a is less than 2. Thus, $a - 2$ is negative)

D (the distance between a and 0 appears to be less than the distance between b and 0, so it looks like $|a|$ is less than $|b|$. Since b is negative and a is positive, $a + b$ is negative.

F (Since $|a|$ and $|b|$ are both greater than 1, $|ab|$ is also greater than 1. ab is negative since a is positive and b is negative. Thus, $ab + 1$ is negative.

2. B
3. -5
4. $q - (-4)$
 $5 - (-4)$
9
5. B, D, E
6. 12
7. -16.5
8. 3 banners
9. \$70
10. 0.625
11. 2 cups of milk
12. B
13. 13
14. C
15. B
16. D
17. \$22
18. 71.4%

SECTION #2

1. A
2. $5.3w + 5x$
3. $4(x - 7)$
4. -13.78
5. 4 lawns
6. 56
7. \$0.99
8. B
9. $\frac{1}{2}x - 10 = 24$; $x = 68$
10. A
11. $h \geq 3.5$
12. A
13. $x \leq 2$
14. C
15. 14; 5

SECTION #3

1. 2
2. C
3. B
4. 78.5 in^2
5. Approx. 8 ft
6. Volume = 64 in^3 ; SA = 96 in^2
7. $\angle A = 135^\circ$, $\angle B = 45^\circ$
8. $x = 2$
9. $x = 45$
10. D
11. D
12. **not a good question**
13. $\frac{138}{300}$ or 46%
14. A
15. $\frac{1}{4}$
16. A. Basketball
B. Basketball