Algebra Preparation Problem Set 2

1. $-7 + 3 - 2 =$

2. $-9 + 14 + 9 =$

3. $-2 - 5 =$

4. Rewrite $-2 - (-5)$ with addition.

5. Rewrite $-7 - 3$ with addition.

6. Rewrite $4 - 9$ with addition.

7. Rewrite $5 + (-8)$ with subtraction.

8. Rewrite $-6 + (-12)$ with subtraction.

9. Is $-214 \cdot 37$ positive or negative?

10. Is $(-9)(-13)$ positive or negative?

11. Is $\frac{-2}{-3}$ positive or negative?

12. Is $\frac{-5}{3}$ positive or negative?

13. Is $\frac{2}{-7}$ positive or negative?

14. Is $(-2)^2$ positive or negative? Why?

15. Is $(-2)^3$ positive or negative? Why?

16. Is $(-2)^4$ positive or negative? Why?

17. Is $(-2)^5$ positive or negative? Why?

18. Is $(-2)^6$ positive or negative? Why?

19. What does an absolute value give you?

20. Can an absolute value be negative? Why?

21. Write $6214^2 \cdot 6214^3$ as 6214 to some power.

22. What is a term?

23. What is a like term?

24. What does it mean to combine like terms?

25. What is $25x - 12y$ when $x = 3$ and $y = 5$?

26. Solve for x when $2x = 16$.

27. Solve for x when $2x - 2 = 16$.

28. Solve for x when $x + 2x - 2 = 16$.