

Math 35 Friday Practice Test 1

1. Write in words: 23,045,415
2. Write with digits: Seventy-six million, four hundred three
3. Fill in the blank with  $<$ ,  $>$  or  $=$ :
  - a. 4 -8
  - b. -5 -2
4. Evaluate  $|14| + |-14|$ .
5. Simplify:
  - a.  $-5 + 2$
  - b.  $4 - (-15)$
  - c.  $-5(-10)(-2)$
  - d.  $36 \div (-12)$
6. Round 65, 482 to the nearest thousand.
7. Simplify:
  - a.  $4^2 \cdot 2^3$
  - b.  $-30 \div 6 - 4 \cdot 5$
  - c.  $16 \div \sqrt{4} + (-6 + 9)^2$
  - d.  $\frac{-10 + 3^2 - (-9)}{3 - 10 - 1}$
8. Evaluate  $-2xy^2$  when  $x$  is 3 and  $y$  is  $-2$ .
9. Write in descending order:  $2x^4 - 5x + 3x^6 - x^3 + 6x^5$

10. Solve:

a.  $11 + n = 4$

b.  $x - 5x = 40$

c.  $13 = -d$

d.  $w - 4 = 12$

11. In designing a room for a house, the desired length is 15 feet, and the area will be 240 square feet. What must the width be?

12. Maria drives at an average rate of 55 mph for 2 hours. How far does she travel?

13. Simplify:

a.  $-2w + 3q + 5q - 6w + 5w$

b.  $x - 2x^2 + 3x^4 - 5 + 4x^2 + 7$

14. Simplify. Write your answer with descending powers.

a.  $(8n^2 - 3n) - (3n^2 - n + 6)$

b.  $(-6x^2 + 2x - 1) + (5x^2 - x + 1)$