

Introductory Inorganic Chemistry — Math Assessment —

Name: _____

1. Solve for x: $\frac{7}{10}x - 1 = 2$

2. Graph the equation: $y = -2x + 4$

3. Simplify the following equations:

(a) $8 - 4 \div 2 - 10 \div 2$

(b) $\frac{5x^2y}{x^3}$

(c) $-2x + 3(x + 2) + 1$

4. Convert to scientific notation: 650,000

5. The length of a rectangle is 2 ft more than its width. The perimeter of the rectangle is 20 ft. Find the length of the rectangle.