

Review for Sections 1.1 and 1.2

1. Plot the following points A(1, 4), B(-2, 0), C(3, -1), D(-1, -2), E(-3, 5), F(0, 4)

Will give answer in class

2. Graph the following by plotting points. Let $x = -2, -1, 0, 1, 2$
 - a. $y = x^2 + 3$

Will give answer in class

- b. $y = |x - 2|$

Will give answer in class

3. Solve each of the following:

a. $2x - 7 = 6 + x$ $x = 13$

b. $2(x - 1) + 3 = x - 3(x + 1)$ $x = -1$

c. $\frac{3x}{5} = \frac{2x}{3} + 1$ $x = -15$

d. $\frac{x+1}{3} = 5 - \frac{x+2}{7}$ $x = \frac{46}{5}$

e. $\frac{2}{x} + 3 = \frac{5}{2x} + \frac{13}{4}$ $x = -2$

f. $\frac{8x}{x+1} = 4 - \frac{8}{x+1}$ **No Solution**

g. $\frac{2}{x+1} - \frac{1}{x-1} = \frac{2x}{x^2 - 1}$ $x = -3$

h. $\frac{1}{x-4} - \frac{5}{x+2} = \frac{6}{x^2-2x-8}$ No Solution