

Homework for Week 1

Monday: HW#1A

Translate the following verbal expressions into a mathematical sentence.

- 1) Three more than a number, x . _____
- 2) Five less than twice a number, r . _____
- 3) The quotient of a number, w , and three. _____
- 4) The product of 2 and the sum of the quantity x and six. _____

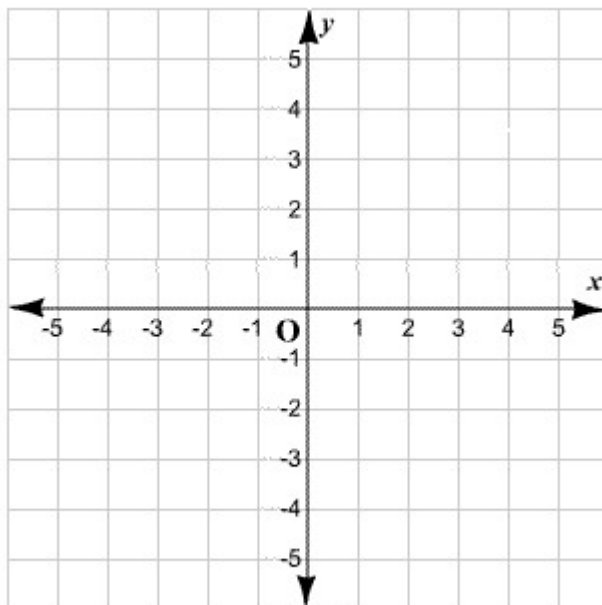
Determine the quadrant in which each point lies:

- | | |
|-------------------------|---------------------------------------|
| 5) $(6, -30)$ _____ | 6) $(-1, 4)$ _____ |
| 7) $(-324, -578)$ _____ | 8) $(\frac{1}{2}, \frac{3}{4})$ _____ |

Tuesday: HW#1B

Graph the coordinates on the grid below and label it with the correct letter:

- 9) **A** $(4, -3)$
- 10) **B** $(2, 1)$
- 11) **C** $(-5, -4)$
- 12) **D** $(0, 3)$
- 13) **E** $(-4, 0)$
- 14) **F** $(4, 3.5)$



Wednesday: HW#1C

Solve the following equations:

15.) $4x - 6 = 22$

16.) $-3x + 8 = 14$

17.) $4 + 2x = 40$

18.) $2(x + 5) = 14$

19.) $6 - 5x = 36$

20.) $9(x + 1) = -36$

Thursday: HW#1D

21) Construct and **label** a linear graph from the data table:

| Number of Oranges (x) | Cost (y) |
|-----------------------|----------|
| 5 | 0.50 |
| 10 | 1.00 |
| 25 | 2.50 |
| 30 | 3.00 |

