

HW 5 11.24.14 Follow your steps in your MATH SPIRAL (except for * questions).

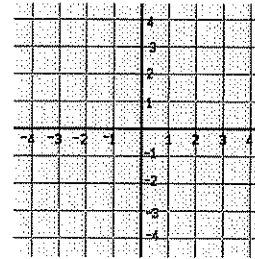
- 1) What fraction of a dollar is 75¢? 2) What fraction of an hour is 45 minutes?

Simplify each fraction. (This includes simplifying improper fractions.)

- 3) $\frac{25}{35}$ 4) $\frac{9}{2}$ 5) $\frac{5}{3}$ 6) $\frac{10}{8}$ 7) $\frac{36}{48}$ 8) $\frac{150}{200}$

*9) Plot these points in order: A(4, 0); B(4, -3); C(-2, -3); D(-2, 0).

*10) Find the length of segment BC. *11) Find the area of your figure.



Evaluate when $g = -2$, $h = 3$, $i = 7$, and $j = -5$.

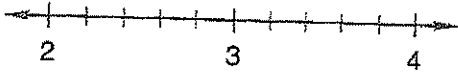
- 12) $j + i + g$ 13) hi 14) hi^2 15) $\frac{i+j}{g+h}$

Evaluate.

- 16) $\frac{5}{6} + \frac{5}{6}$ 17) $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$ 18) $\frac{3}{4} + \frac{1}{2}$ 19) $\frac{3}{4} - \frac{1}{2}$

Show if $x = 5$ is a solution of each equation:

- 20) $6 - x = 11$ 21) $16x = 80$ 22) $\frac{200}{x} = 50$ 23) $3x^2 + 2x - 7 = 78$



*24) Plot and label these points on the number line: $A = 3\frac{2}{5}$, $B = 2\frac{3}{5}$.



*25) Find the values for C and D. *26) Plot $E = -9$ and $F = 1\frac{1}{2}$.