

Quarterly 1 Review Sheet- You may use a calculator, but all work leading to your answer must be shown.

1) The stock market dropped $\frac{5}{7}$ points per hour for six hours. How many total points did it drop?

2) Factor each expression.

a) $27a + 45b$

b) $-120 - 8$

c) $12a - 18b$

d) $\frac{1}{2}(-3) - \frac{1}{2}(-4) - \frac{1}{2}(-\frac{3}{4})$

e) $1.2b - 2.4$

f) $6(2) - 6(3)$

3) Write the expanded form of $-\frac{1}{2}(\frac{3}{4}y - 2\frac{1}{2})$ and then simplify.

4) Simplify each expression:

A) $(-\frac{2}{3} - \frac{1}{3}) - \frac{4}{5}$	B) $10.5 - 11.3 - 4.2$
C) $(-1)^2$	D). $-\frac{3}{4}(5x - 4) - 3$
E) $\frac{4}{5} - \frac{6}{7}(2 + \frac{1}{4}) - \frac{2}{2}$	F) $4/5 - (x + 1/9)$
G) $2/3 + 6.75 - (1/3 + .50) - 2$	H) $ -5 - 2 - -7 $

5) Write a decimal value equivalent to each of the following:

A) $1/6 =$ _____

B) $2/3 + 1/5 =$ _____

6) Ms. Kern earns \$36 per hour tutoring. On Wednesday she tutored for $2\frac{1}{2}$ hours and on Thursday, she tutored for $1\frac{2}{3}$ hour. How much money does she earn tutoring?

7) Andy is on a weight lose program. He lost $\frac{3}{5}$ pound a day for 7 days. The next four days he lost 1.2 pounds each day. How many total pounds did Andy lose?

8) The recipe Sophia uses to bake asks for $5\frac{1}{2}$ cups flour. She wants to increase the flour by $\frac{2}{5}$ of the original amount. How much flour will she use?

9) Joseph has \$9 to spend. He is going to buy bags of cherries that \$2.25 each and a one box of blueberries that costs \$2.99. What is the maximum bags of cherries he can buy?

10) Simplify (no calculator):

A) $-44.2 \div 2.21$

B) -55×-2.3

C) $-3.02 + 3.7$

D) $-9.45 - 5.37$

E) $-5 - 10$

F) $-5 - (-2)$

G) $-6(-3)$

H) $-25/5$

I) $-1/2(-3/4)$

J) $-2/3 / -5/6$