Math 7   NO CALCULATORS   Name_____

Add, Subtract, Multiply, Divide Rational Numbers   Date_____ Period____

Evaluate each expression.

1) $(-7) + (-4) + 7$

2) $(-4) + 8 - (-2)$

3) $(-1) - (-4) - (-3)$

4) $(-1) - 4 + 6$

Find each product.

5) $7 \cdot -6 \cdot 6$

6) $-10 \cdot -9 \cdot -1$

7) $-7 \cdot 6 \cdot -8$

8) $-3 \cdot 2 \cdot -6$

9) $-\dfrac{5}{3} \cdot -\dfrac{3}{4}$

10) $-\dfrac{7}{4} \cdot \dfrac{1}{2}$

Find each quotient.

11) $7 \div -1$

12) $6 \div 3$

13) $-6 \div 6$

14) $-45 \div 9$

15) $\dfrac{-3}{4} \div \dfrac{5}{8}$

16) $-2\dfrac{1}{5} \div \dfrac{-6}{5}$

Evaluate each expression.

17) $(-6.3) - (-7.46)$

18) $(-3.4) - 1.5$

19) $\dfrac{8}{5} - \left(-\dfrac{4}{5}\right)$

20) $\left(-1\dfrac{1}{2}\right) + \dfrac{3}{4}$

21) $(-30 - 10) \div -4 + -5 - 2$

22) $5 \cdot 8 + 2 - (-6 - -5)$

Evaluate each using the values given.

23) $n - (m + n)$; use $m = 2$, and $n = -3$

24) ab^2; use $a = -3$, and $b = 4$

25) $\dfrac{ab}{6}$; use $a = 3$, and $b = -4$

26) $(c)(a - b)$; use $a = 4$, $b = 2$, and $c = -2$

27) $(m)(p - 2)$; use $m = 5$, and $p = -5$

28) $\dfrac{j}{4} - h$; use $h = -6$, and $j = -4$

29) $(-6)(m - n)$; use $m = -\dfrac{5}{4}$, and $n = -\dfrac{4}{3}$

30) $x + x + y$; use $x = -\dfrac{3}{4}$, and $y = \dfrac{11}{6}$