

Practice 2.3

Date _____ Period _____

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Evaluate each expression. No Calculator!

1) $4 - -3$

2) $3 - 6$

3) $-3 - 7 + 7$

4) $-7 + -5 - -6$

5) $-2 - 3 + -5 - 7$

6) $3 - -6 + -6 + 1$

Find each quotient. No Calculator!

7) $\frac{-2}{-1}$

8) $\frac{24}{6}$

Find each product. No Calculator!

9) $(-7)(-4)$

10) $(-2)(4)$

11) $(-4)(-8)(-10)$

12) $(-4)(3)(-4)$

Evaluate each expression. You may use a calculator!

13) $\frac{1}{2} - 1\frac{1}{6} - \left(\frac{-8}{5} - \frac{-2}{3}\right)$

14) $-1\frac{1}{5} - \left(\frac{2}{5} \times \frac{1}{5}\right) \div \frac{2}{3}$

15) $\frac{5}{6} \div \frac{1}{2} \left(2\frac{1}{3} - 1 \right)$

16) $3\frac{1}{4} + -2 \times -2\frac{1}{2} + \frac{1}{2}$

17) $(-4.5 - (-1.4 - 2.5))(0.8)$

18) $(-3.25)(4.5 + (-2.6)^2)$

19) $(-0.4)(4.5) - -1.96 - 1.1$

20) $-3.3 \div 0.5 - 4.1 \div 0.1$

Show the substitution, then solve.

21) $(-6)(x + 2 - z)$; use $x = 1$, and $z = -4$

22) $(5)(x - z) + 2$; use $x = 3$, and $z = 5$

23) $p + m + m^2$; use $m = -6$, and $p = 1$

24) $(r)\left(\frac{p^2}{3}\right)$; use $p = 3$, and $r = -2$

Determine if the following is positive or negative. DO NOT SOLVE!

25) $-\frac{1}{9} \cdot -\frac{4}{11} \cdot -\frac{5}{9} \cdot -60 \cdot -\frac{3}{7} \cdot -\frac{1}{4}$

26) $-\frac{2}{9} \cdot -5 \cdot \frac{2}{7} \cdot -60 \cdot 0 \cdot -\frac{1}{8}$