

P. 141 BEDMAS

Sept 20

$$2. \quad 18 + 6 \div 2$$

$$= 18 + 3$$

$$= 21$$

$$3. \quad -6.5 \times 4 - 8$$

$$= -26 - 8$$

$$= -34$$

$$4. \quad \frac{(18+6)}{(5+1)} - 4$$

$$= \frac{24}{6} - 4$$

$$= 4 - 4$$
$$= 0$$

HWK
P. 141 - 142

$$5. \quad 9.8 - 1.4 \div 0.7$$

$$= 9.8 - 0.2$$

$$= 9.6$$

$$6. \quad 7(3 - 2 + 6)$$

$$= 7(1 + 6)$$

$$= 7(7)$$

$$= 49$$

$$11. \quad (0.75 + 0.25)^3 \div 0.2$$

$$= (1)^3 \div 0.2$$

$$= 1 \div 0.2$$

$$= 5$$

$$12. \quad 2\left(\frac{1}{4} - \frac{1}{2}\right) - \left(\frac{1}{2}\right)^3$$

$$= 2\left(\frac{1}{4} - \frac{2}{4}\right) - \frac{1}{8}$$

$$= 2\left(-\frac{1}{4}\right) - \frac{1}{8}$$

$$= -\frac{2}{4} - \frac{1}{8}$$

$$= -\frac{1}{2} - \frac{1}{8}$$

$$= -\frac{4}{8} - \frac{1}{8}$$

$$= -\frac{5}{8}$$

20 evaluate $a=3$, $b=6$, $c=-\frac{1}{2}$

$$a) a(b+c)$$
$$= 3\left(\frac{6}{1x_2} + -\frac{1}{2}\right)$$

show substitution
step

$$= 3\left(\frac{12}{2} + -\frac{1}{2}\right)$$

$$= 3\left(\frac{11}{2}\right)$$

$$= \frac{33}{2}$$

$$d) b^2 + a$$

$$= 6^2 + 3$$

$$= 36 + 3$$

$$= 39$$

e) $b \div c \times a$
 $6 \div -\frac{1}{2} \times 3$
✓

$$\frac{6}{1} \times \frac{-2}{1} \times 3 = -36$$

21. $x = 0.5, y = 7.2, z = -1.8$

b) $xy + xz$
 $= (0.5)(7.2) + (0.5)(-1.8)$
 $= 3.6 + (-0.9)$
 $= 2.7$

$$\begin{aligned} 21. \quad & x^2 + y^2 \\ &= (0.5)^2 + (7.2)^2 \\ &= 0.25 + 51.84 \\ &= 52.09 \end{aligned}$$

Homework
BEDMAS

p. 141-2

TEST: WEP, SEPT 26!

p. 138 # 42

$$\frac{28}{100} = 0.28$$

Rate $\frac{100}{\text{min}}$ $27.38 + 0.28 = \boxed{\text{min } 27.66}$

Astrids Time

min 27.66 Sec

p. 132 # 32

$$\frac{-7}{4} \div 4$$

$$= \frac{-7}{4} \times \frac{1}{4} = \frac{-7}{16}$$

P. 138 # 39

Given: $-1.5 + 2.1 - 3.8 - 2.2 + 4.3 - 5.3 - 6.9$

$$= -\frac{13.3}{7}$$

$$= -1.9$$

$\therefore$ the average temp
was -1.9°C

P. 138 # 41

$$= \frac{1}{4} \times 10 + \frac{3}{5} \times 8 + \frac{1}{8} \times 5$$

$$= \frac{10}{4} + \frac{24}{5} + \frac{5}{8}$$

$$\frac{39}{40}$$

$$\frac{1}{40} \times 1840$$

$$= \frac{1840}{40}$$

$$= 46$$

They had
46