

ASSIGNMENT #10: ORDER OF OPERATIONS

Solve the following using Order of Operations. You may not use a calculator. Remember that PEMDAS and GEMS are acronyms to help you solve these problems!

1: $(6 - 4) \cdot 49 \div 7$

2: $8 \div 2(2 + 2)$

3: $(6 + 25 - 7) \div 6$

4: $20 \div (4 - (10 - 8))$

5: $40 \div 4 - (3 - 5)$

6: $2 + (49 \div 7 \cdot \frac{60}{2(5)})$

7: $(-10 + 2 - 2) \cdot 6 - 1$

8: $8 - 6 \div 2 \cdot -5 + 1$

9: $(2 + 6 \cdot 2 + 2 - 4) \cdot 2$

10: $\frac{8}{5-1} \cdot (3 + 6) \cdot 3$

CHALLENGE PROBLEMS:

A. $-110 + 7 \cdot (1.25 \div 0.25)$

B. $(8 + 5) \cdot \frac{30+5}{5} + 6$

ANSWER KEY

1. 14

2. 16

- 3. 4
- 4. 10
- 5. 12
- 6. 44
- 7. -61
- 8. 24
- 9. 24
- 10. 54

CHALLENGE

- A. -75
- B. 97