

Zaid Raza (04914)

Assignment No 2 (Pemas) Date: _____

① $30 \div 5 \times 2 + 1$

$$6 \times 2 + 1$$

$$12 + 1$$

$$13$$

④ $10 \div 2 + 12 \div 2 \times 3$

$$5 + 6 \times 3$$

$$5 + 18$$

$$23$$

② $5 + (4 - 2)^2 \times 3 \div 6 - 1$

$$5 + (2)^2 \times 3 \div 6 - 1$$

$$5 + 4 \times 3 \div 6 - 1$$

$$5 + 12 \div 6 - 1$$

$$5 + 2 - 1$$

$$7 - 1$$

$$6$$

⑤ $20 - [3 \times (2 + 4)]$

$$20 - [3 \times (6)]$$

$$20 - 18$$

$$2$$

③ $3^2 + [6(11 + 1 - 4)] \div 8 \times 2$

$$3^2 + [6(12 - 4)] \div 8 \times 2$$

$$3^2 + [6(8)] \div 8 \times 2$$

$$3^2 + [48] \div 8 \times 2$$

$$9 + [48] \div 8 \times 2$$

$$9 + 6 \times 2$$

$$9 + 12$$

$$21$$

⑥ $150 \div (6 + 3 \times 8) - 5$

$$150 \div (6 + 24) - 5$$

$$150 \div 30 - 5$$

$$5 - 5$$

$$0$$

Date: _____

$$\textcircled{7} - \{ 2y - [3 - (4 - 3y)] + 6y \} \quad (\text{hint } y = 3)$$

$$- \{ 2 \times 3 - [3 - (4 - 3 \times 3)] + 6 \times 3 \}$$

$$- \{ 2 \times 3 - [3 - (4 - 9)] + 6 \times 3 \}$$

$$- \{ 2 \times 3 - [3 + 5] + 6 \times 3 \}$$

$$- \{ 2 \times 3 - 8 + 6 \times 3 \}$$

$$- \{ 6 - 8 + 18 \}$$

$$- \{ 6 - 8 + 24 \}$$

-16

$$\textcircled{8} 14z + 5 [6 - (2z + 3)] \quad (\text{hint } z = 2)$$

$$14 \times 2 + 5 [6 - (2 \times 2 + 3)]$$

$$14 \times 2 + 5 [6 - (4 + 3)]$$

$$14 \times 2 + 5 [6 - 7]$$

$$14 \times 2 + 5 \cdot (-1)$$

$$28 - 5$$

23