

P-1 Use the correct order of operations to find the value of each expression. Write out all the steps in your solutions.

$$1. \quad 2 + 3 \cdot 4 = 2 + 12 = 14$$

$$2. \quad 2 \cdot 3 + 4 = 6 + 4 = 10$$

$$3. \quad 2 \cdot (3 + 4) = 2 \cdot (7) = 14$$

$$4. \quad 4 \cdot 3^2 = 4 \cdot 9 = 36$$

$$5. \quad (4 \cdot 3)^2 = (12)^2 = 144$$

$$6. \quad 4 + \frac{8}{6-2} = 4 + \frac{8}{4} = 4 + 2 = 6$$

$$7. \quad 7 + \frac{8}{2-6} = 7 + \frac{8}{-4} = 7 + (-2) = 7 - 2 = 5$$

$$8. \quad \frac{3}{1-2} + \frac{2}{1-3} = \frac{3}{-1} + \frac{2}{-2} = (-3) + (-1) = -4$$

$$9. \quad 4 - (5 - 6) - 7 = 4 - (-1) - 7 = 4 + 1 - 7 = 5 - 7 = -2$$

$$10. \quad (4 - 5) - \frac{(10 - 8)}{(6 - 7)} = (-1) - \frac{2}{-1} = (-1) - (-2) = -1 + 2 = 1$$