Order of Operations

Name:
Period:

1) $3 \cdot [6 \cdot 8 \div 2 - 13] + 12$

$3 \cdot [48 \div 2 - 13] + 12$

$3 \cdot [24 - 13] + 12$

$3 \cdot 11 + 12$

$33 + 12$

$\boxed{45}$

2) $[18 + (35 \div 5 \cdot 6 + 12)] \cdot 2$

$[18 + (7 \cdot 6 + 12)] \cdot 2$

$[18 + (42 + 12)] \cdot 2$

$[18 + 54] \cdot 2$

$72 \cdot 2$

$\boxed{144}$

3) $24 + (24 \cdot 5 - 36 + 5) \cdot 5$

$24 + (120 - 36 + 5) \cdot 5$

$24 + (84 + 5) \cdot 5$

$24 + 89 \cdot 5$

$24 + 445$

$\boxed{469}$

4) $5 \cdot \{2 \cdot [(18+6) \div 2 \cdot 3] \div 6\} + 8$

$5 \cdot \{2 \cdot [24 \div 2 \cdot 3] \div 6\} + 8$

$5 \cdot \{2 \cdot [12 \cdot 3] \div 6\} + 8$

$5 \cdot \{2 \cdot 36 \div 6\} + 8$

$5 \cdot \{72 \div 6\} + 8$

$5 \cdot 12 + 8$

$60 + 8$

$\boxed{68}$

5) $24 + \{18 - 8 + [(36 + 5) - 4] - 13\}$

$24 + \{18 - 8 + [41 - 4] - 13\}$

$24 + \{18 - 8 + 37 - 13\}$

$24 + \{10 + 37 - 13\}$

$24 + \{47 - 13\}$

$24 + 34$

$\boxed{58}$

6) $[8 + (30 - 8) + 16] \div 2$

7) $[2 \cdot (36 - 8) + 24] \div 2$

8) $25 + (36 + 8 - 9 \cdot 2)$

9) $46 - [(14 - 8) + 10 \div 2]$

10) $\{2 + [(100 - 25) \div (7 - 4)]\} - 8$