Find the Mistake: BEDMAS

Grade 7: each line shows a student's answer. Decide if it is right. If it is wrong, find the step that went wrong.

Name: _____ Date: _____

1. Sam wrote: $8 + 2 \times 3 = 30$. Is Sam right? If not, write the correct answer and explain the mistake.

   Answer: _____

2. Sam wrote: $2 + 2 \times 3 = 8$. Is Sam right? If not, write the correct answer and explain the mistake.

   Answer: _____

3. Sam wrote: $4 + 5 \times 9 = 81$. Is Sam right? If not, write the correct answer and explain the mistake.

   Answer: _____

4. Sam wrote: $5 + 7 \times 6 = 72$. Is Sam right? If not, write the correct answer and explain the mistake.

   Answer: _____

5. Sam wrote: $7 + 2 \times 4 = 36$. Is Sam right? If not, write the correct answer and explain the mistake.

   Answer: _____

6. Sam wrote: $7 + 4 \times 6 = 31$. Is Sam right? If not, write the correct answer and explain the mistake.

   Answer: _____

Find the Mistake: BEDMAS

Grade 7: each line shows a student's answer. Decide if it is right. If it is wrong, find the step that went wrong.

1 Sam wrote: $8 + 2 \times 3 = 30$. Is Sam right? If not, write the correct answer and explain the mistake.

Answer: No. The correct answer is 14.

Sam added first. Multiply first: $2 \times 3 = 6$, then $8 + 6 = 14$.

2 Sam wrote: $2 + 2 \times 3 = 8$. Is Sam right? If not, write the correct answer and explain the mistake.

Answer: Yes, Sam is right.

$2 \times 3 = 6$, then $2 + 6 = 8$.

3 Sam wrote: $4 + 5 \times 9 = 81$. Is Sam right? If not, write the correct answer and explain the mistake.

Answer: No. The correct answer is 49.

Sam added first. Multiply first: $5 \times 9 = 45$, then $4 + 45 = 49$.

4 Sam wrote: $5 + 7 \times 6 = 72$. Is Sam right? If not, write the correct answer and explain the mistake.

Answer: No. The correct answer is 47.

Sam added first. Multiply first: $7 \times 6 = 42$, then $5 + 42 = 47$.

5 Sam wrote: $7 + 2 \times 4 = 36$. Is Sam right? If not, write the correct answer and explain the mistake.

Answer: No. The correct answer is 15.

Sam added first. Multiply first: $2 \times 4 = 8$, then $7 + 8 = 15$.

6 Sam wrote: $7 + 4 \times 6 = 31$. Is Sam right? If not, write the correct answer and explain the mistake.

Answer: Yes, Sam is right.

$4 \times 6 = 24$, then $7 + 24 = 31$.