Name:

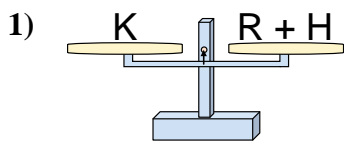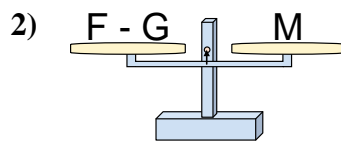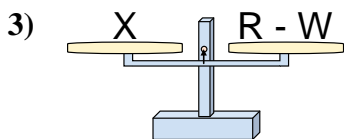**The scales shown are balanced. Determine which number sentence must be true.**

1) K = R + H

A. R = H - K
B. R = H + K
C. R = K + H
D. R = K - H

2) F - G = M

A. F = G - M
B. F = M - G
C. F = M + M
D. F = G + M

3) X = R - W

A. R = W - X
B. R = X + X
C. R = X - W
D. R = W + X

4) E + W = P

A. E = W - P
B. E = P + W
C. E = P - W
D. E = W + P

5) X = Y + Z

A. Y = Z + X
B. Y = X + Z
C. Y = X - Z
D. Y = Z - X

6) S - T = G

A. S = T + G
B. S = G + G
C. S = T - G
D. S = G - T

7) N = G - X

A. G = X - N
B. G = X + N
C. G = N + N
D. G = N - X

8) T + M = Z

A. T = M + Z
B. T = Z - M
C. T = Z + M
D. T = M - Z

The scales shown are balanced. Determine which number sentence must be true.
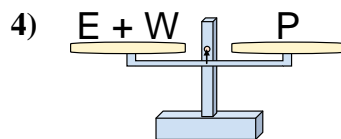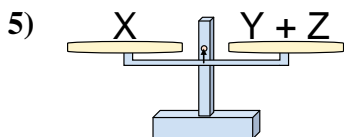
1)   K   R + H

A. R = H - K
B. R = H + K
C. R = K + H
D. R = K - H

2)   F - G   M

A. F = G - M
B. F = M - G
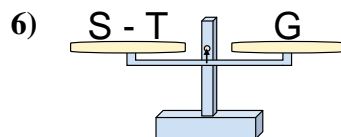C. F = M + M
D. F = G + M

3)   X   R - W
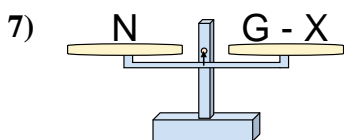
A. R = W - X
B. R = X + X
C. R = X - W
D. R = W + X

4)   E + W   P
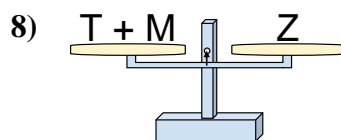
A. E = W - P
B. E = P + W
C. E = P - W
D. E = W + P

5)   X   Y + Z

A. Y = Z + X
B. Y = X + Z
C. Y = X - Z
D. Y = Z - X

6)   S - T   G

A. S = T + G
B. S = G + G
C. S = T - G
D. S = G - T

7)   N   G - X

A. G = X - N
B. G = X + N
C. G = N + N
D. G = N - X

8)   T + M   Z
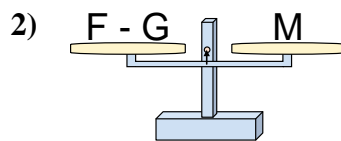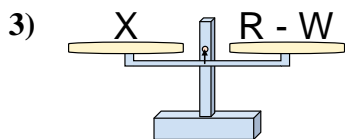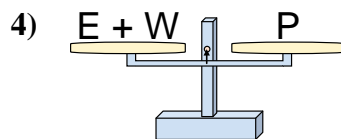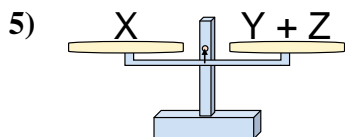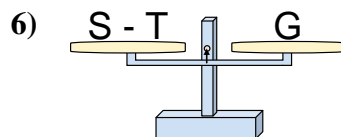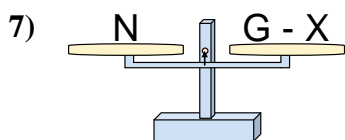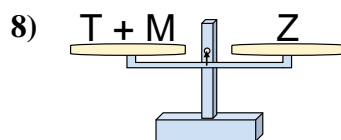
A. T = M + Z
B. T = Z - M
C. T = Z + M
D. T = M - Z

1. **D**
2. **D**
3. **D**
4. **C**
5. **C**
6. **A**
7. **B**
8. **B**