

Choose the correct answer

1. If $u = \langle 9, -2 \rangle$ and $v = \langle 8, 2 \rangle$, find $u \cdot v$

A. 68

B. -6

C. -57

D. 44

2. If vector $u = \langle 4, -2 \rangle$ and vector $v = \langle 6, 12 \rangle$, then the vectors are

A. parallel

B. Perpendicular/Orthogonal

C. Collinear

D. Scalar multiples