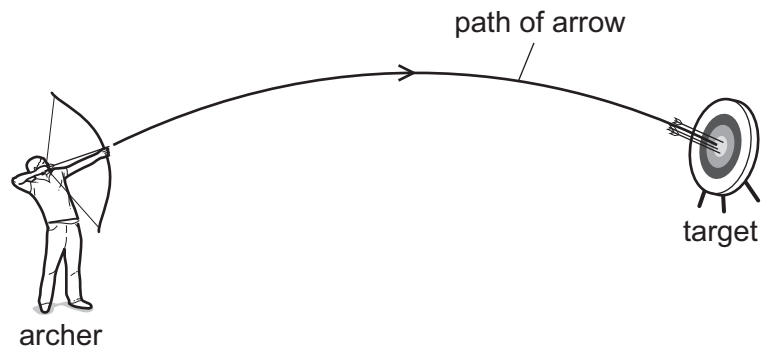
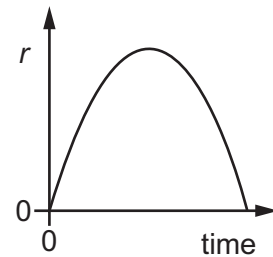
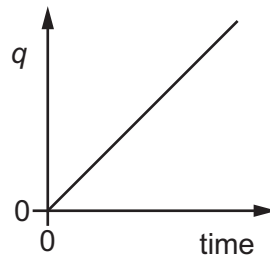
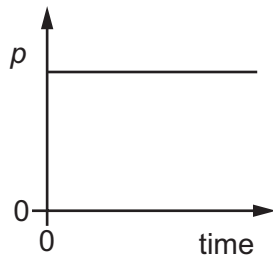


- 6 An archer shoots an arrow at a target. The diagram shows the path of the arrow.



Air resistance is negligible.

The graphs show how three different quantities p , q and r vary with time.



Which quantity could be the horizontal component of displacement and which quantity could be the vertical component of displacement of the arrow?

| | horizontal component of displacement | vertical component of displacement |
|----------|--|--|
| A | p | q |
| B | q | r |
| C | r | p |
| D | r | q |