

Exercise 2.75.

Implement the constructor `make-from-mag-ang` in message-passing style. This procedure should be analogous to the `make-from-real-imag` procedure given above.

Answer.

```
(define (make-from-mag-ang r a)
  (define (dispatch op)
    (cond ((eq? op 'real-part) (* r (cos a)))
          ((eq? op 'imag-part) (* r (sin a)))
          ((eq? op 'magnitude) r)
          ((eq? op 'angle) a)
          (else
           (error "Unknown op -- MAKE-FROM-MAG-ANG" op))))
  dispatch)
```

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