

Math 150 Challenge problem for week 1

If ...

$$A + A = B$$

$$B = 2A$$

$$B + B = D$$

$$2A + 2A = D$$

$$D = 4A$$

$$A + D = E$$

$$A + 4A = E$$

$$5A = E$$

Find

$$B + D + E$$

In terms of a single variable.

$$2A + 4A + 5A$$

$$11A$$