

Mathematically Modeling a Business - Practice

Date _____

Determine the expense, E , for each production.

1) $p = \$45$

$E = 70q + 2000$

$q = 65p + 9050$

2) $p = \$90$

$E = 120q + 9000$

$q = 87p + 12000$

3) $p = \$140$

$E = 200q + 11000$

$q = 93p + 15000$

4) $p = \$38$

$E = 450q + 7000$

$q = 600p + 8200$