



Name: _____



1) Given that $28 \times 45 = 1,260$
Calculate (without a calculator):

a) 28×450

d) 4.5×2.8

g) $126 \div 45$

b) 4.5×28

e) $1260 \div 45$

h) $126 \div 2.8$

c) 45×2.8

f) $1260 \div 2.8$

i) $12.6 \div 450$

2) Given that $36 \times 54 = 1944$
Calculate (without a calculator):

a) 3.6×54

d) 35×54

g) $1944 \div 3.6$

b) 54×360

e) 36×53

h) $19.44 \div 5.4$

c) 5.4×360

f) 360×540

i) $194.4 \div 0.36$

3) If $A \heartsuit B = A + 2B$ and $A \odot B = 2A + 3C$
Evaluate (without a calculator):

a) $2 \heartsuit 3$

d) $5 \odot 6$

g) $-2 \heartsuit -5$

b) $5 \heartsuit 10$

e) $10 \odot 20$

h) $-2 \odot -4$

c) $6 \heartsuit 15$

f) $5 \odot -6$

i) $2x \odot 5x^2$

4) If $A \oplus B = A^2 + B$ and $A \blacklozenge B = 2A \div B^2$
Evaluate (without a calculator):

a) $2 \oplus 4$

d) $-4 \oplus 5$

g) $-18 \blacklozenge 3$

b) $6 \oplus 9$

e) $5 \oplus -10$

h) $32 \blacklozenge -4$

c) $10 \oplus 20$

f) $20 \blacklozenge 2$

i) $50 \blacklozenge -5$

Exam question: Given that $9,936 \div 84 = 54$

a) Write down the value of 54×8.4

b) Write down the value of $9,936 \div 5.4$

c) Work out the value of 540×8.4

