

## Testing Results

### Test Plan

Test #	B	X	D	Quotient	Remainder
1	10	4	2	6	0
2	19	-7	1	-10	3
3	10	-4	-2	-6	0
4	10	2	-2	#DIV/0!	#DIV/0!

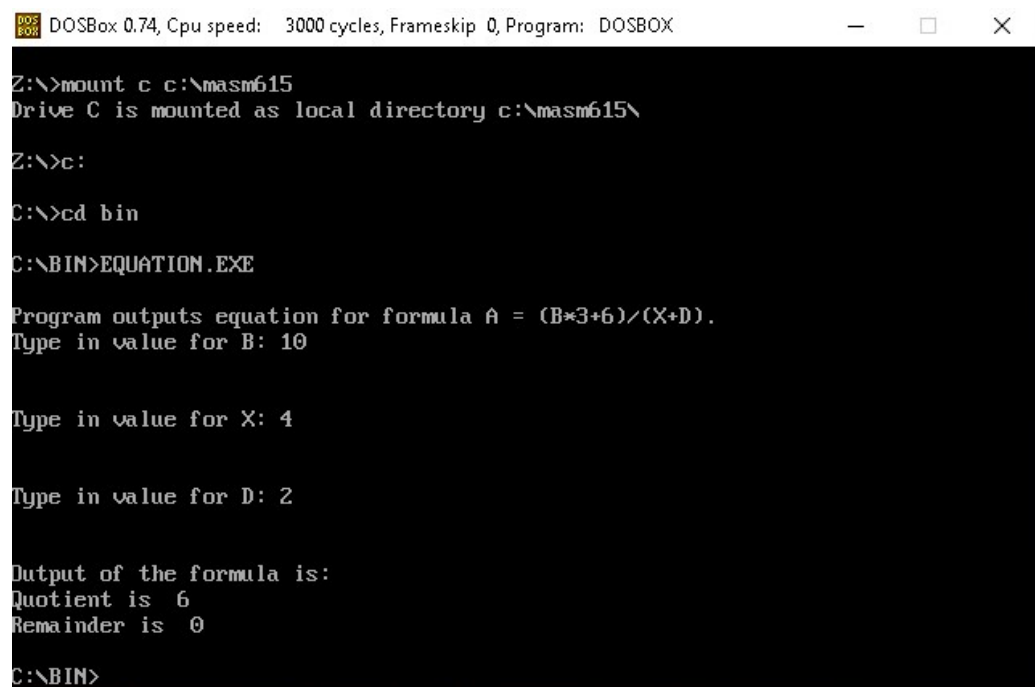
### Test Run 1

#### Inputs

B = 10; X = 4; D = 2

#### Output

Quotient = 6; Remainder = 0



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
Z:\>mount c c:\masm615
Drive C is mounted as local directory c:\masm615\
Z:\>c:
C:\>cd bin
C:\BIN>EQUATION.EXE
Program outputs equation for formula A = (B*3+6)/(X+D).
Type in value for B: 10
Type in value for X: 4
Type in value for D: 2
Output of the formula is:
Quotient is 6
Remainder is 0
C:\BIN>
```

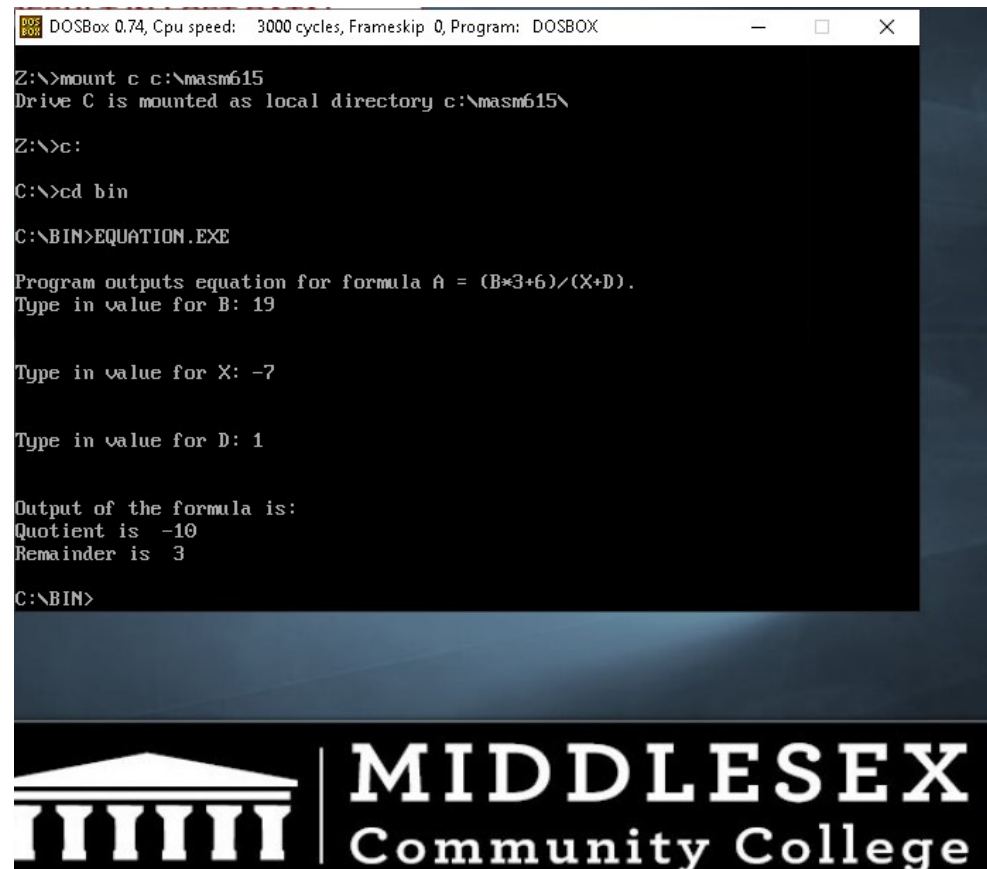
## Test Run 2

### Inputs

B = 19; X = -7; D = 1

### Output

Quotient = -10; Remainder = 3



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

Z:\>mount c c:\masm615
Drive C is mounted as local directory c:\masm615\

Z:\>c:
C:\>cd bin
C:\BIN>EQUATION.EXE


Program outputs equation for formula A = (B*3+6)/(X+D).
Type in value for B: 19

Type in value for X: -7

Type in value for D: 1

Output of the formula is:
Quotient is -10
Remainder is 3

C:\BIN>
```



### Test Run 3

#### Inputs

B = 10; X = -4; D = -2

#### Output

Quotient = -6; Remainder = 0

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

Z:\>mount c c:\masm615
Drive C is mounted as local directory c:\masm615\

Z:\>c:
C:\>cd BIN
C:\BIN>EQUATION.EXE


Program outputs equation for formula A = (B*3+6)/(X*D).
Type in value for B: 10

Type in value for X: -4

Type in value for D: -2

Output of the formula is:
Quotient is -6
Remainder is 0

C:\BIN>
```

 **MIDDLESEX**  
Community College

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6/21/2024

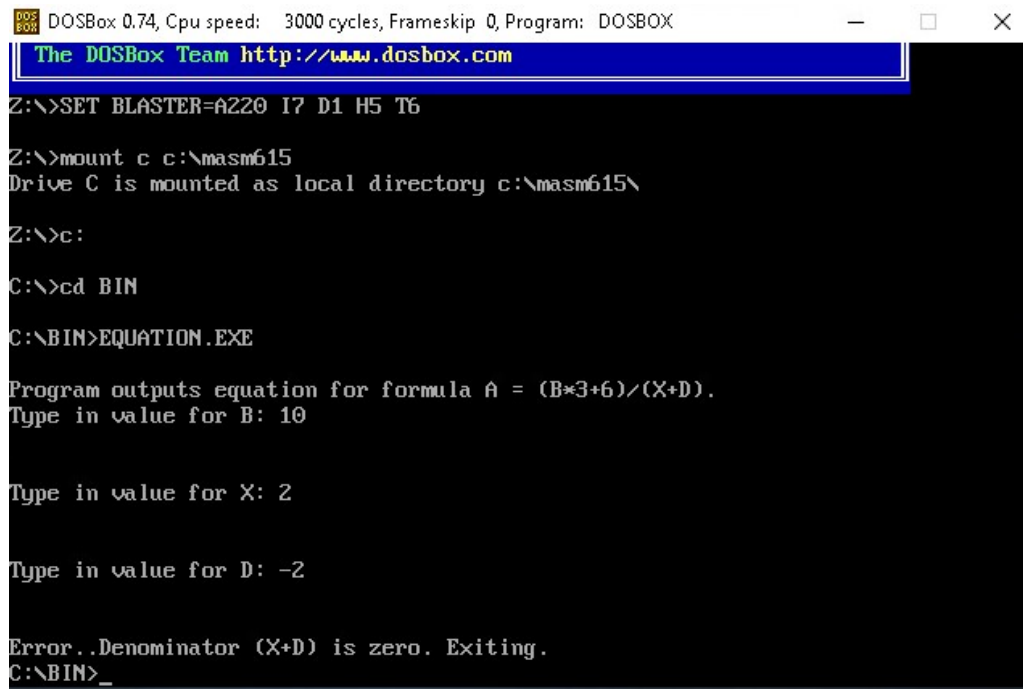
#### Test Run 4

Inputs

B = 10; X = 2; D = -2

Output

Error – Division by zero



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
The DOSBox Team http://www.dosbox.com
Z:\>SET BLASTER=A220 I7 D1 H5 T6

Z:\>mount c c:\masm615
Drive C is mounted as local directory c:\masm615\

Z:\>c:

C:\>cd BIN

C:\BIN>EQUATION.EXE

Program outputs equation for formula A = (B*3+6)/(X+D).
Type in value for B: 10

Type in value for X: 2

Type in value for D: -2

Error..Denominator (X+D) is zero. Exiting.
C:\BIN>_
```