

1. Simplify each expression

a.  $18 - 24$

b.  $5 \cdot (-20)$

c.  $-16 \div (-4)$

d.  $-18 + (-12)$

e.  $-7 - (-19)$

f.  $|-25| + (-13)$

g.  $14 - |-20|$

h.  $|5| \cdot |-10|$

i.  $-8 + 9 \div (-3)$

j.  $-7 + (-32) - 12 + 5$

k.  $(-5)^3 - 24 \div (-3)$

l.  $-(-7)^2 \div 7 \cdot (-4)$

2. Evaluate each expression for  $x = 0$ ,  $y = -3$ , and  $z = 2$

a.  $7x + 3y - 4z$

b.  $10 - y^2$

3. Aaron Hawn has \$129 in his checking account. He writes a check for \$79, withdraws \$40 from an ATM, and then deposits \$35. Represent the new balance for his account by an integer.

4. Translate the following phrases into mathematical expressions. Use  $x$  to represent "a number."

(a) The product of a number and 17

(b) Twice a number subtracted from 20

5. Solve.

a.  $-9n = -45$

b.  $\frac{n}{-7} = 4$

c.  $x - 16 = -36$

d.  $9x = 8x - 4$

## Answers Math 0302 Practice Test 1

1a.	-6
1b.	-100
1c.	4
1d.	-30
1e.	12
1f.	12
1g.	-6
1h.	50
1i.	-11
1j.	-46
1k.	-117
1l.	28
2a.	-17
2b.	1
3.	45
4a.	$17 \cdot x$ or $17x$
4b.	$20 - 2x$
5a.	$n = 5$
5b.	$n = -28$
5c.	$x = -20$
5d.	$x = -4$