

Exercise 1.3

1) -12

2) -24

3) -28

4) 15

5) 64

6) 77

7) $-8 \cdot 3(-2)$

$$= -24(-2) = \boxed{48}$$

8) $6 \cdot (-2) \cdot 5$

$$= -12 \cdot 5 = \boxed{-60}$$

9) $(-5)(-6)(-2)$

$$= 30(-2) = \boxed{-60}$$

10) $8 \cdot (-13) = \boxed{-104}$

11) $(-7)(-4) = \boxed{28}$

12) $(-6)(9) = \boxed{-54}$

13) xy $x = -6$
 $y = 9$

$$(-6)(9) = \boxed{-54}$$

14) $6ab$ $a = -3$
 $b = -7$

$$6(-3)(-7) = -18 \cdot (-7) = \boxed{126}$$

15) $-7xy$ $x = -1$, $y = 6$

$$-7(-1)(6) = 7(6) = \boxed{42}$$

16) -11

17) 19

18) -20

19) 3

20) -4

21) -8

22) $-\frac{a}{b}$

$$-\frac{(72)}{(-4)} = \boxed{18}$$

23) $\frac{a}{b}$ for $a = 22$, $b = -2$

$$\frac{22}{(-2)} = \boxed{-11}$$

24) $a \div b$ $a = 56$, $b = 8$

$$56 \div 8 = \boxed{7}$$

$$25) \quad b \cdot h = (3m)(4m) \\ = \boxed{12m^2}$$

$$26) \quad (7ft)(5ft) = 35ft^2$$

$$27) \quad (11cm)(4cm) = 44cm^2$$

for $a = 72$, $b = -4$