

1 Arrange the following numbers in descending order:

a $-6, -10, 5, -3, 8$

b $0, -32, -8, 4, -2$

2 Insert $>$, $<$ or $=$ in the following:

a $-6 \underline{\hspace{1cm}} -2$

b $5 \underline{\hspace{1cm}} -4$

c $-3 \underline{\hspace{1cm}} 2$

3 Simplify:

a $4 - 7$

b $-3 + 5$

c $2 - (+7)$

d $-4 - (-6)$

e $-6 - 8$

f $-2 + 5 - 3$

g $-5 + (-3)$

h $-1 - 1 - 1$

i $-5 - (-5) + 5$

4 Simplify:

a -3×-4

b 6×-7

c -12×-4

d $4 \times (-3)$

e $-1 \times -1 \times -1$

f $(-3)^2$

g $(-10)^3$

h $-5 \times -2 \times -3$

i $(-1)^{99}$

5 Evaluate:

a $-12 \div -4$

b $-16 \div -8$

c $(-81) \div 9$

d $-100 \div -5$

e $12 \div -2 \div -2$

f $(-24) \div (-3) \div (-4)$

g $\frac{-36}{4}$

h $\frac{-120}{-30}$

i $\frac{63}{-7}$

6 Evaluate:

a $12 - 4 \times 2$

b $16 \div (-4) + 3 \times (-2)$

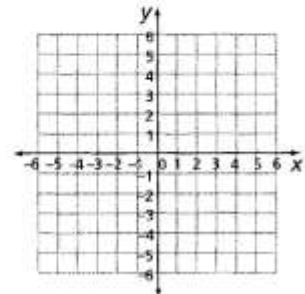
c $(5 \times -2)^2$

d $\sqrt{-4 + 13}$

e $\frac{-6 \times 3}{15 \div -5}$

f $-8 \times -3 \div 12$

7 In the diagram, plot the points A(4, 1), B(4, -3) and C(-2, 1). Find the length of AB and AC.



8 Find the missing value:

a $8 \times \underline{\hspace{1cm}} = -56$

b $-24 \div \underline{\hspace{1cm}} = 8$

c $6 + \underline{\hspace{1cm}} = 4$