

For questions 1 – 12, write the letter that corresponds to the correct answer.

1.  $400 \div 5 \times 2$  is the same as:  
 A.  $400 \div 10$       B.  $80 \times 2$       C. 16      D.  $400 \div 2 \times 5$

2. Which of the following statements is true?  
 A. All rectangles are squares  
 B. A regular triangle is an isosceles triangle  
 C. A square is a rhombus with all angles equal  
 D. A five-sided polygon is a hexagon

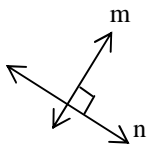
3.  $6 \times 10^5 + 7 \times 10^3 + 3 \times 10 + 8 \times 1$  is the same as:  
 A. 607 038      B. 60 738      C. 6 738      D. 60 070 308

4. The  $\sqrt{7}$  lies between:  
 A. 1 and 2      B. 2 and 3      C. 3 and 4      D. 8 and 9

5. An angle of  $181^\circ$  is classified as:  
 A. Acute      B. Obtuse      C. Straight      D. Reflex

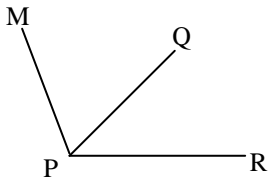
6. The supplement of  $70^\circ$  is:  
 A.  $20^\circ$       B.  $70^\circ$       C.  $110^\circ$       D.  $290^\circ$

7. Which statement is true?



- A.  $m \perp n$       B.  $m \parallel n$   
 B. m bisects n      D. m is longer than n

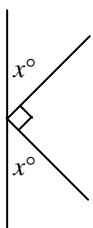
8.  $\angle MPQ$  and  $\angle QPR$  are:  
 A. adjacent      B. supplementary  
 C. perpendicular      D. complementary



9. The correct algebraic expression for ‘the product of a number and 3 is increased by 7’ is:  
 A.  $3(x + 7)$       B.  $3(x - 7)$       C.  $3x - 7$       D.  $3x + 7$

10. Which of the following is equivalent to  $\frac{2a-1}{3}$ ?  
 A.  $2 \times a - 1 \div 3$       B.  $2 + a - 1 \div 3$       C.  $(2 \times a - 1) \div 3$       D.  $2 \times a - \frac{1}{3}$

11. What is the value of  $x$ ?  
 A.  $x = 180$       B.  $x = 90$       C.  $x = 30$       D.  $x = 45$



12.  $\square > \Delta$  means:  
 A.  $\square$  is less than  $\Delta$       B.  $\square$  is greater than  $\Delta$   
 C.  $\square$  is not equal to  $\Delta$       D.  $\square$  is approximately equal to  $\Delta$

13. Copy and complete each of these tables for the given rule:

(a)  $y = 2x - 4$

x	-2	-1	0	1	2
y					

(b)  $y = 30 - 4a$

x	-2	-1	0	1	2
y					

14. Find the rule used to complete each of these tables:

(a)  $y =$

x	1	2	3	4	5
y	5	8	11	14	17

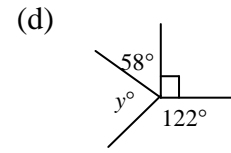
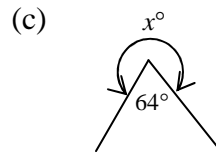
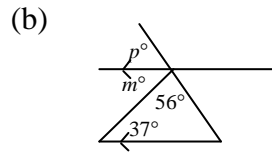
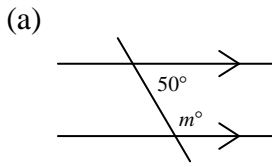
(b)  $y =$

x	0	1	2	3	4
y	3	4	7	12	19

15. Find the answer to:

- (a)  $3 - 5$       (b)  $-2 + 8$       (c)  $7 + -7$       (d)  $-1 - 6$   
 (e)  $2 - -1$       (f)  $-10 + 2$       (g)  $-3 + 5 - 8$       (e)  $-6 - 3 - 2$

16. Find the size of each angle marked by a letter and give reasons:



17. Evaluate:

(a)  $9 \times 6 - 18 \div 3$

(b)  $2432 \times 10^2$

(c)  $2\,600 \times 200$

18. The number of people at a football game, rounded to the nearest 100 was 56 400. What could be the actual number of people at this game have been?

19. (a) Find the cost of 10 books at \$25.95 each

(b) Find the cost of 10 books at \$ $p$