4. On a certain day, the temperature fell from 4°C to -2°C. Find the temperature change on that day.
   A. +6°C
   B. +2°C
   C. -2°C
   D. -6°C

5. The rules of a dart game are as follows:

   ![Dart Game Diagram]

   Hitting the black part of the target gains 5 points; hitting the white part of the target gains 1 point; missing the target loses 3 points.

   If Steven threw 10 darts, 3 of them missed the target and 4 of them hit the back part, how many points would he get?
   A. +1 point
   B. +3 points
   C. +6 points
   D. +14 points

6. Ken was born on the nth day of a certain month. Which of the following numbers cannot be represented by n?
   A. 30
   B. 31
   C. 32
   D. 29

7. Which of the following is the expanded form of $8r^2st^2$?
   A. $8 \times 2 \times s \times t \times 2$
   B. $8 \times r \times s \times t \times t$
   C. $8 + r^2 + s + t^2$
   D. $8 + 2r + s + 2t$
8. Which one of the following is a right angle?

A. \( \angle SOQ \)
B. \( \angle POS \)
C. \( \angle QOT \)
D. \( \angle TOP \)

9. Which one of the following groups cannot be the three interior angles of a triangle?

A. 30°, 50°, 100°
B. 35°, 45°, 65°
C. 25°, 55°, 100°
D. 38°, 60°, 82°

10. Which one of the following is/are polygon(s)?

I.  
II.  
III.  
IV.  

A. I, III
B. II, III
C. II, IV
D. I, II, III, IV

*** END OF SECTION A ***
2. Use an algebraic expression to represent each of the following sentences.
(a) Subtract $y$ from $x$.
(b) Divide the sum of two and $n$ by $m^2$.
(c) Add 3 to $a$ and then multiply the sum by square of $b$.

3. Let $s = m - \frac{1}{2} m^2$. If $m = 50$, $t = 3$ and $a = 10$, find the value of $s$.

4. Simplify the following expressions.
(a) $3x - y + 6x + 7y$
(b) $x - 8y - 6 + 10y - 5x + 3$

5. Solve the following equations.
(a) $2x - 5 = 11$
(b) $3x + 7 = 1 - 3x$
(c) $\frac{2}{3}(4x - 1) = -20$

6. Name the type of the following marked angles.
(a)
(b)
(c)
(d)
(e)

7. In the figure, $AOD$ is a straight line. Find $x$.

8. In the figure, $ABC$ and $DEF$ are triangles, find $x$, $y$ and $z$. 
9. In a Mathematics competition, there are 10 questions of equal marks. You get 10 marks for a correct answer, lose 8 marks for a wrong answer, or no mark for each blank answer. If Jimmy answered 3 questions correctly, 5 questions wrongly, and left 1 question unanswered, how many marks could he get?

10. Simson has $38. If he gives $8 to Nicholas, then Nicholas will have the same amount of money as Simson. How much does Nicholas originally have?