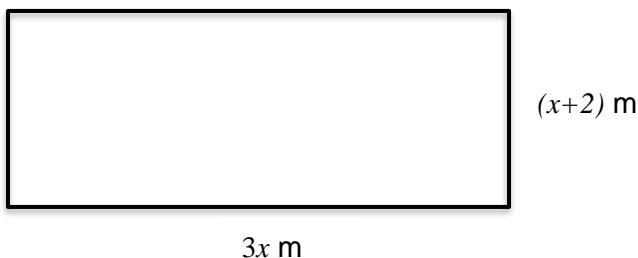


**POTENT ACADEMY REVISION SERIES
MATHEMATICAL ACTIVITIES
GRADE 8 | MODEL 04**

Name _____ Date _____

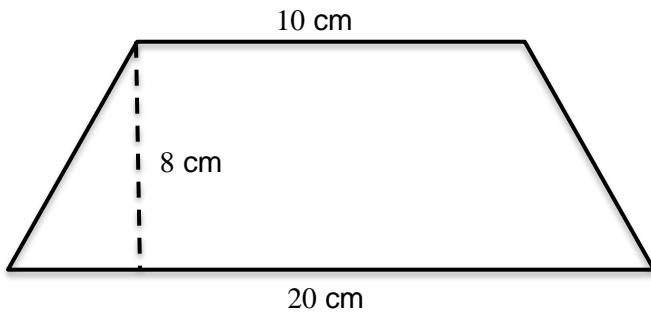
Instructions: Answer ALL the questions in the spaces provided.

1. Using the factor method, find the square root of 576.
2. Using a number line, solve:
 - (i) $(+4) + (-7)$
 - (ii) $(-3) - (+6)$
3. Express 0.25 as a fraction.
4. Express 0.000034 in standard form.
5. A swimming pool is 25m long, 10m wide, and 3m deep. What is the volume of the pool?
6. The diagram below shows a rectangular playground with sides $3x$ meters and $x+2$ meters. If the value of x is 50 meters, calculate the perimeter of the playground.



7. A mother is M years old while her son is S years old. The difference in their ages is 25 years. Write an equation to represent the difference in their ages.

8. Find the area of a trapezium with parallel sides of 10cm and 20cm, and a height of 8cm.



9. A train travelled 450km in 5 hours. What is the speed of the train in km/hour?

10. Construct an equilateral triangle of sides 5cm.