Simplify each expression.

1) $\left(6+x^4\right)-\left(4x^4+8+3x^3\right)$

2) $\left(4b^3+8\right)-\left(2b^3+7+3b^2\right)$

3) $\left(6+6x^3+3x\right)+\left(4-6x^3-7x^2\right)$

4) $\left(-8p^2+7p+4p^4-1\right)+\left(8p^2-5+4p^4\right)$

5) Sarah sent 336 texts in one day. At this rate, how many texts did she send per hour?

6) Tim's scooter can go 44 ft/sec. How many miles per hour is this?
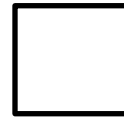
Find the **perimeter** of the following figures.

7.

2x 3x + 4

x - 3

8.

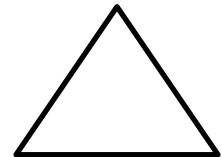x - 2

9.

3x - 4

2x + 5
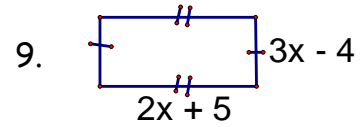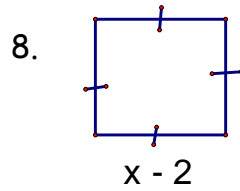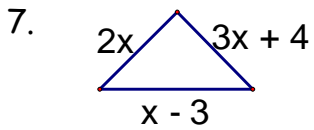
P = _____   P = _____   P = _____

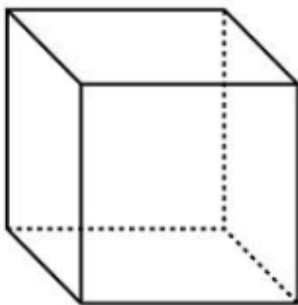10.   Find the perimeter of a square with side lengths x + 3.

11.   Find the perimeter of a triangle with side lengths of x, x + 2, x – 1

Find the volume of the following figures.

12.   A cube with side lengths of x + 1

13. A rectangular prism whose width = x + 1, length = x - 3 , height = x + 2