Name _____ Date _____

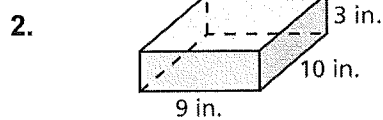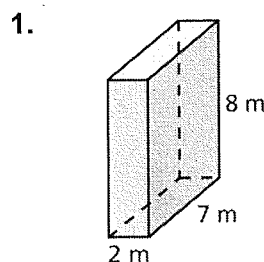**Label one of the faces as a "base" and the other as a "lateral face." Use the shape of the base to identify the prism.**

a.

[ ]

[ ]
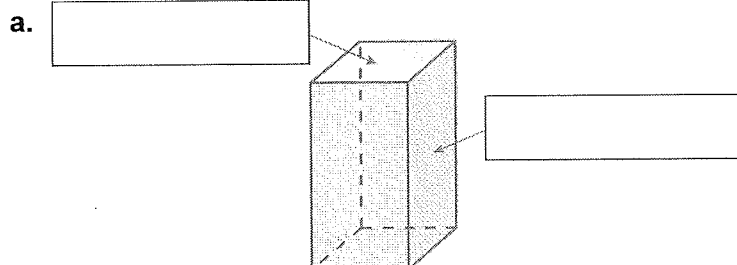
[ ] Prism

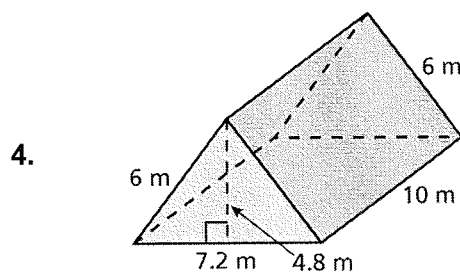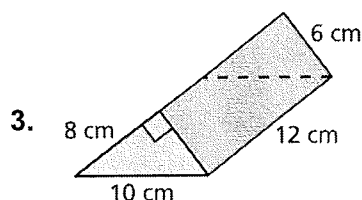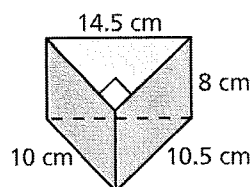**Find the surface area of the prism.**

1.

8 m

7 m

2 m

2.

3 in.

10 in.

9 in.

What is the surface area of a triangular prism? Research it through the use of the internet.

Surface Area = _____

3.

6 cm

8 cm

12 cm

10 cm

4.

6 m

6 m

10 m

7.2 m   4.8 m

5. You buy a ring box as a birthday gift that is in the shape of a triangular prism. What is the least amount of wrapping paper needed to wrap the box?

14.5 cm

8 cm

10 cm   10.5 cm

Addition and Subtraction with Scientific Notation I:

Perform the following operations and express the answers in scientific notation.

1) $(1.2 \times 10^5) + (5.35 \times 10^6)$

2) $(2 \times 10^3) + (3.6 \times 10^4)$

3) $(7 \times 10^5) - (5.2 \times 10^4)$

4) $(9.7 \times 10^{-2}) + (2.4 \times 10^{-3})$

5) $(6.91 \times 10^{-2}) + (2.4 \times 10^{-3})$

6) $(3.67 \times 10^2) - (1.6 \times 10^1)$

7) $(8.41 \times 10^{-5}) - (7.9 \times 10^{-6})$

8) $(6.6208 \times 10^{-2}) - (5.729 \times 10^{-3})$

9) $(3.557 \times 10^4) + (2.9 \times 10^2)$

10) $(4.31 \times 10^8) + (2 \times 10^6)$

11) $(1.5 \times 10^{-2}) + (8.94 \times 10^{-1})$

12) $(4.175 \times 10^2) - (1.2 \times 10^{-1})$