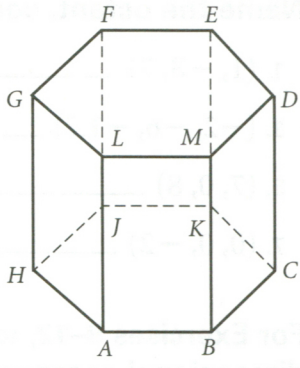




Practice

6.3 Prisms

For Exercises 1–7, refer to the regular right hexagonal prism at right.



1. Name the two bases.

2. Name all segments congruent to \overline{BC} .

3. How are the two bases related?

4. List all the lateral faces.

5. Name all segments congruent to \overline{CD} .

6. What type of quadrilateral is $FEKJ$?

7. In what manner are the lateral faces related?

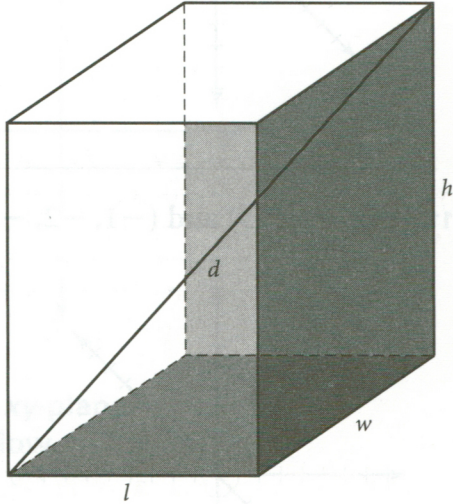
In Exercises 8–11, find the length of the diagonal of a right rectangular prism with the given dimensions.

8. $l = 6, w = 9, h = 12$

9. $l = 4, w = 7, h = 2.3$

10. $l = a, w = a, h = 2a$

11. $l = 2a, w = 3a, h = 4a$



Find the missing dimensions.

12. $l = 10 \text{ ft}, w = 6 \text{ ft}, d = 19 \text{ ft}, h =$ _____
13. $l = 16 \text{ in}, h = 21 \text{ in}, d = 29 \text{ in}, w =$ _____
14. $w = 9 \text{ cm}, h = 8 \text{ cm}, d = 17 \text{ cm}, l =$ _____