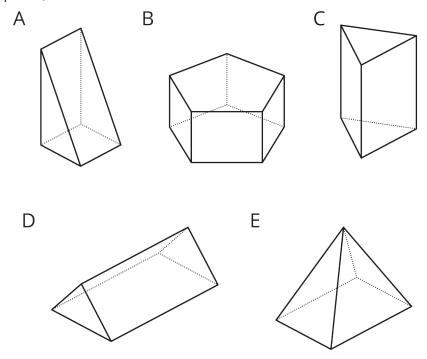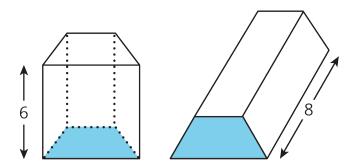# Lesson 12 Practice Problems

1. a. Select **all** the prisms.

   b. For each prism, shade one of its bases.

   A   B   C

   D   E

2. The volume of both of these trapezoidal prisms is 24 cubic units. Their heights are 6 and 8 units, as labeled. What is the area of a trapezoidal base of each prism?

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Lesson 12

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3. Two angles are complementary. One has a measure of 19 degrees. What is the measure of the other?

4. Two angles are supplementary. One has a measure that is twice as large as the other. Find the two angle measures.

5. Match each expression in the first list with an equivalent expression from the second list.

   A. $7(x + 2) - x + 3$ 1. $\frac{1}{5}x - 10$

   B. $6x + 3 + 4x + 5$ 2. $6x + 17$

   C. $\frac{-2}{5}x - 7 + \frac{3}{5}x - 3$ 3. $2(5x + 4)$

   D. $8x - 5 + 4 - 9$ 4. $12(2x + 3)$

   E. $24x + 36$ 5. $8x + (\text{-}5) + 4 + (\text{-}9)$

6. Clare paid 50% more for her notebook than Priya paid for hers. Priya paid x for her notebook and Clare paid y dollars for hers. Write an equation that represents the relationship between y and x.