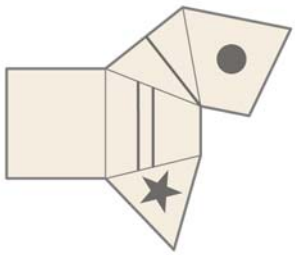
# 7 TAKS PRACTICE

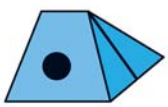
## PRACTICE FOR TAKS OBJECTIVE 7

**1.** Which three-dimensional figure does the net shown represent?



**A**

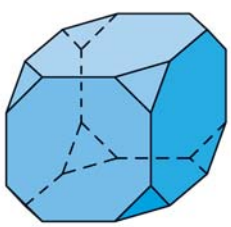
**B**



**C**

**D**

**2.** The solid below has 14 faces: 8 triangles and 6 octagons. How many vertices does the solid have?



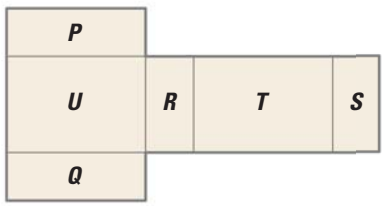
**F** 18

**G** 24

**H** 26

**J** 60

**3.** Which of the following is a true statement about the solid represented by the net shown?




**A** Faces $S$ and $T$ are parallel.

**B** Faces $P$ and $U$ are parallel.

**C** Faces $Q$ and $T$ are perpendicular.

**D** Faces $R$ and $S$ are perpendicular.

**4.** How many vertices does a hexagonal pyramid have?

**F** 6

**G** 7

**H** 12

**J** 15

**5.** Which of the following best describes the graphs of the equations below?

$$3y = -2x + 3$$

$$2y = 3x + 8$$

**A** The lines have the same $y$-intercept.

**B** The lines have the same $x$-intercept.

**C** The lines are parallel.

**D** The lines are perpendicular.

## MIXED TAKS PRACTICE

**6.** How many cubes with edges 3 inches long can be placed completely inside a box that is 9 inches long, 6 inches wide, and 12 inches tall? *TAKS Obj. 10*

**F** 12

**G** 16

**H** 18

**J** 24