MIXED TAKS PRACTICE

6. What is the slope of the linear function in the graph shown? *TAKS Obj. 3*
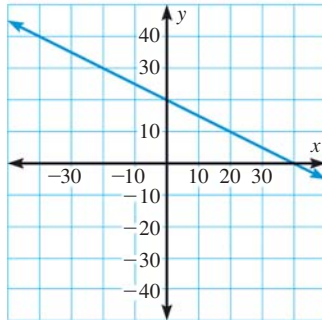
F −2

G −0.5

H 0.5

J 2

7. The figures below are similar. Using the dimensions given, find *x*. *TAKS Obj. 8*
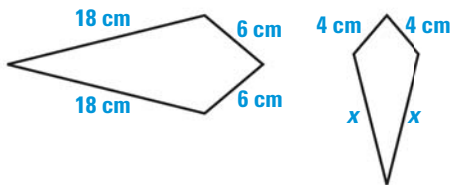
A 6 cm

B 8 cm

C 9 cm

D 12 cm

8. A music store allows you to trade used CDs and used audiotapes. You exchange 2 used CDs for 14 used audiotapes. If your friend wants to exchange 77 used audiotapes, how many CDs can she get? *TAKS Obj. 3*

F 5

G 7

H 10

J 11

9. A family rented a car during their 5 day vacation. The car cost $29 per day plus $0.12 for each mile driven. How much did it cost the family to rent the car for 5 days and drive 260 miles? *TAKS Obj. 10*

A $60.20

B $145.00

C $176.20

D $405.00

10. The table shows the results of a survey that asked 100 high school students the number of movies they had seen in the past month. Based on the data, which of the following statements must be true? *TAKS Obj. 9*

Number of movies	0	1–2	3–4	5 or more
Students	24	41	18	17

F A total of 35 students have seen 4 or more movies.

G A total of 24 students never see movies.

H More students saw fewer than 2 movies than saw more than 2 movies.

J More than half the students surveyed saw fewer than 3 movies.

11. The drawing shows a 3-dimensional solid. Which of the following best represents the shape of the solid when viewed from the top? *TAKS Obj. 7*

A Quadrilateral

B Pentagon

C Hexagon

D Octagon
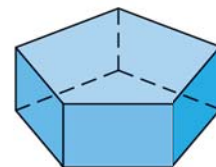
12. **GRIDDED ANSWER** The area of a rectangle is given by $5(\ell - 3) = 20$. What is the value of ℓ? *TAKS Obj. 2*

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.